HELSEPLATTFORMEN
for pasientens helsetjeneste

Procurement of an
EHR solution
with adjacent systems and services

***

Invitation to Dialogue

T Appendix 1C Technical Requirements

Based on SSA-T

Case number: 2016/238

History

Version	Responsibility	Date	Comments/Changes
v1.0	Helseplattformen	02.02.17	Version v1.0 shared with the Contractors

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1 INTRODUCTION

1.1 GENERAL

This Appendix contains the Customer's technical requirements for the procurement of an *electronic health record (EHR)* solution with adjacent systems and services for the Central Norway Health Region.

The Customer expects the Contractor to have read this Appendix in conjunction with the other ITD documents, and in particular *Appendix C0*, and to reflect upon how to best support the Customer's ambition and objectives for the new EHR solution, cf. *Appendix C0, Chapter 2*, when answering this Tender. The Requirements Specification for the EHR solution that will enable the Customer to reach this ambition are described in:

- *SSA-T Appendix 1A General requirements*

- *SSA-T Appendix 1B Functional requirements*

- *SSA-T Appendix 1C Technical requirements*

- *SSA-T Appendix 1D Training requirements*

Note that in general, all deliveries and pre-requisites or assumptions relevant for the implementation of the EHR solution, both related to the Contractor's Deliverables and the Customer Furnished Assets (CFA), cf. *Appendix C7,* shall be taken into account in the Contractor's Project and Progress Plan, cf. *T Appendix 3*.

The ITD documents describe the starting point for the competitive dialogue and may be altered based on proposals from Contractors. When the dialogue phase is concluded, the Customer will issue a final set of ITD documents that the Contractor shall base its final offer upon. It is not permissible to negotiate the final offers. Only clarifications, specifications and fine-tuning are allowed, see FOA § 20-9.

To assist Contractors in completing their responses supporting text in the form of instructions or examples have been included in the documents. These supporting texts will be replaced, reformatted or deleted before signing of the Contract.

1.2 LIST OF ANNEXES FOR THIS APPENDIX

This Appendix has the following annexes:

Annex 1 – Information Model

Annex 2 - Integration Documentation Template

1.3 COMPLETION OF THE VARIOUS DOCUMENTS

The Contractor shall answer the Customer's Requirement Specification in accordance with the instructions set out in the ITD Document and below. In order to ensure equal treatment and an efficient dialogue it is important that the instructions are adhered to.

Table 1 below depicts the template where the Requirements Specifications are set out. In Table 2 below the various columns are explained.

Table 1 - Requirement table

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
	Requirement title Requirement **Dedicated area/function [only relevant for T Appendix 1B]:** • XX **To be considered [only relevant for T Appendix 1B]:** • XX					

Table 2 – Explanation of requirement table

Field	Description
No.	The Customer's unique identifier of a requirement. All references to requirements shall be done using this number. Requirements set out under the Delivery Contract are numbered as follows: • Gn (G1, G2, …) for General requirements (T Appendix 1A) • Fn (F1, F2, …) for Functional requirements (T Appendix 1B) • Tn (T1, T2, …) for Technical requirements (T Appendix 1C) • Dn (D1, D2, …) for Training requirements (T Appendix 1D) Requirements set out under the Maintenance Contract are numbered as follows: • Vn (V1, V2, …) for all requirements (V Appendix 1)
Requirement	The Customer's specification of the requirement. The following applies to T Appendix 1B only: • The "**Dedicated area/function**" denotation is the Customer's indication of whether a given requirement is associated with multiple enterprise capabilities and sub-capabilities (cf. *T Appendix 1B, Chapter 2*) and/or areas of particular focus (cf. *T Appendix 1B, Chapter 4*). The Contractor shall when describing its response to a requirement, ensure that the description at least covers the listed denotations (enterprise capabilities and sub-capabilities and/or areas of particular focus). The Contractor is encouraged to include other relevant capabilities and/or areas of particular focus not specifically listed. If the response is the same for two or more denotations, the Contractor is asked not to duplicate the response, but simply to explain which denotations the response is valid for. • The "**To be considered**" denotation indicates that the Customer is yet undecided whether the given requirement is relevant for the subsequent enterprise capabilities and/or areas of particular focus. This decision will be made during the dialogue phase. • The "**Integration**" denotation is the Customer's indication that an integration with an external or third party system will be required for the given requirement. If several enterprise (sub-) capabilities are listed under the "Dedicated area/function" for the given requirement, the integration might be relevant for one, several or all of them.
Imp (Importance –	The Customer's guidance on the importance of the requirement: • O – Obligatory. All obligatory requirements **must be satisfied.** If requirements with this

Field	Description
O/H/M/L)	classification are not satisfied, the **proposal will be rejected.** • H – High importance. It is very important that the requirement is satisfied. At least 80 per cent of these requirements must be satisfied after the dialogue phase is completed (i.e., in the best and final Tender), cf. *ITD Document, Chapter 25.2* • M – Medium importance. It is important that the requirement is satisfied. • L – Low importance. The requirement is desirable but it is less important that the requirement is satisfied.
ToF (Time of fulfilment – 1/2/3/4)	The Customer's deadline for fulfilment of the requirement: • 1 – Within delivery of the initial proposal • 2 – Within delivery of the final proposal • 3 – Within start of the Customers' acceptance test, as set out in the implementation plan for Helseplattformen Main Project, cf. *T Appendix 3* and in accordance with the test and approval procedures set out in *T Appendix 4* • 4 – Other. Individual deadline set out in the particular requirement (This applies especially for areas where the Customer and Contractor need close cooperation to decide the date of fulfilment) Note that where the deadline for fulfilment is later than the time of submission of the Tender, the compliance with the requirement will be considered based on the submitted documentation.
D (Describe – D/DX) and Confirm requirement	• D - The requirement denotation "D" indicates that the Contractor must describe how the requirement is satisfied. The description for a requirement specification denoted "D" should not exceed 4 A-4 pages, including documentation, unless otherwise specified. • DX – The requirement denotation "DX" indicates that the Contractor must provide a short description of how the requirement is satisfied, limited to a maximum of 1000 characters per requirement. The Contractor may at a later stage of the dialogue phase be asked to give a more detailed or complete description of the same requirement. • N/A – The requirement denotation "N/A" indicates that the requirement is a "confirm requirement" where the response shall be Yes/No in *T Appendix 2A2 – 2D2* and *V Appendix 2A2* Note that the Contractor shall as part of the response to the particular requirement requiring development describe the scope and size of development and the time schedule for that development. In the list of requirements requiring development that is to be submitted in *Appendix C0, Annex 2* and taken into account in the Contractor's response to *Appendix C2*, reference shall be made to this description. For requirements requiring development the Contractor shall fill out the columns related to development in *T Appendix 2A2 – 2D2* and *V Appendix 2A2*.
Doc (Documentation of requirements – DC, SC, DT, A, I, O)	Requirements for type and extent of documentation of a requirement: • Declaration of Confirmation (DC) – the requirement shall be demonstrated by a declaration issued by the Contractor • Standard Certification (SC) – the requirement shall be demonstrated by submission of an certification of coherence to a standard • Demonstration/Test of requirement (DT) • Analysis (A) - a reasoned explanation • Information (I) (The requirement is to deliver specified types of information as opposed to answer out functional and technical requirements) • Other (O) – the type of documentation is particular specified for the relevant requirement A requirement may desire one or more of the above types of documentation. Note that the required documentation may be separate, both in type and extent, for the purpose of evaluation and test and acceptance.

Field	Description
ToReq (Type of requirement – H, M, GP, P, C)	"Type of requirement" identifies what entity the particular requirement is relevant for. For the purpose of this procurement the following categories are applicable: • Hospital (HMN) = H • Municipalities ("Kommune") = M • General Practitioner ("Fastlege") = GP • Citizens/Patient = P • Common for requirement for H , M , GP = C Other entity combinations will be marked by combining these indicators.

1.4 BACKGROUND AND PURPOSE OF THIS APPENDIX

This Appendix shall establish the technical requirements that substantiate the functional requirements. In addition, these requirements shall try to reveal the technical potential in the offered solutions and make sure that the offered solutions can operate on the infrastructure given by the Customer.

1.5 DEFINITIONS

Terms and expressions with capital letters shall have the meaning set out in *Appendix C4*. Terms marked with **bold, italic font** are terms that the Customer has wished to provide an explanation of to ensure a common understanding, cf. *Appendix C4.* These terms and definitions should be interpreted in the context of this specific procurement, and are not intended to be general definitions beyond this scope. The terms are in addition to cf. *Appendix C5, Annex C – Glossary of Terms for EHR-S FM.*

1.6 STRUCTURE OF THIS APPENDIX

The content of the chapters in this Appendix is presented in Table 3 below:

Table 3 - The structure of this Appendix

Chapter 2: **General requirements**	This Chapter contains general requirements for the overall solution

Chapter 3: **Architecture**	This Chapter contains requirements for the architecture of the solution, including Information, Application and Technology architecture, together with user scenarios.

Chapter 4: **Integration**	This Chapter contains requirements regarding integrations and integration architecture. It also includes requirements to medical devices and **personal connected health and care (PCHC)** technology.

Chapter 5: **Security**	This Chapter contains security requirements, including application and infrastructure requirements. It also includes requirements for backup and restore, identity and access management, tracing and logging.

Chapter 6: **Peripherals**	This Chapter contains requirements for peripherals, including printing, scanning, multimedia, reading of tags and voice recognition.

Chapter 7: **Technical Infrastructure**	This Chapter contains requirements for the technical infrastructure including network, clients, server platform and data storage. It also includes requirements to upgrades, monitoring, high availability and test environments.

1.6.1 Technical requirements for the EHR solution

Most of the technical requirements are references to the HL7 EHR-S Functional Model. The Customer has added Helseplattformen requirements when the model does not cover the scope that is being addressed.

The technical requirements are based on two sections in the HL7 EHR-S Functional Model; the Record infrastructure and Trust infrastructure sections.
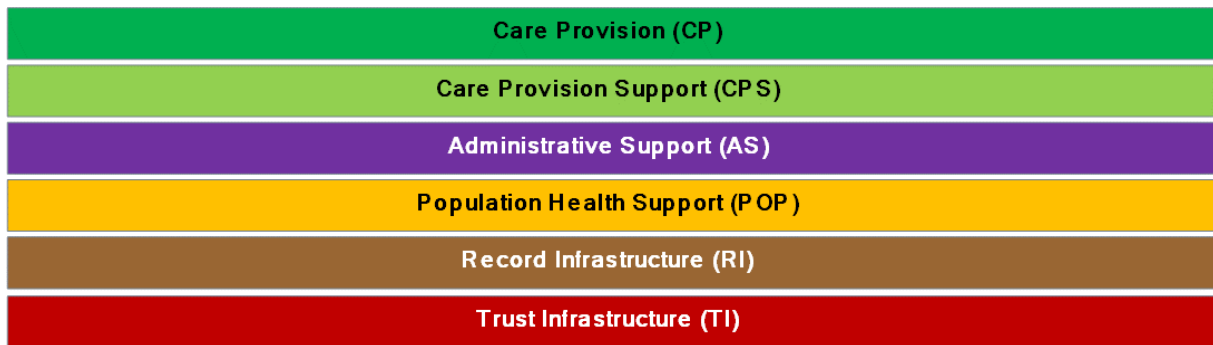
Figure 1 –HL7 EHR-S Functional Model – Function list sections

For the entire HL7 EHR-S Functional Model, see *Appendix C5*. A disclaimer for how the Customer has used the model is included in *Appendix C5, Chapter 1.* For a more detailed overview of the functionality in the EHR solution and how the Customer has used the HL7 EHR-S Functional Model, see *Appendix C0, Chapter 4.4.*

2 GENERAL REQUIREMENTS

This Chapter contains requirements that have a general character and are applicable for the entire solution.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24721	**Applicable for the entire solution** The Contractor shall confirm that the response to the subsequent requirements in this document are applicable for all subsystems and modules in the offered solution. Please describe any deviation in T Appendix 2C1.	H	1	DX	DC	C
T26721	**Unicode character set** The Contractor shall confirm that the Unicode character set is supported by the solution.	H	1	N/A	DC	C

3   ARCHITECTURE

The Customer follows national guidelines stated by the *Agency for Public Management and eGovernment (DIFI)* regarding the use of a service oriented architecture approach. The procurement of new solutions emphasise how the overall architecture supports openness, flexibility, availability and scalability.

In this Chapter, the Contractor is asked to describe the compliance with the Customer's architecture principles and the offered solution's overall architecture comprising the information, application and technology architecture.

The solution will cover functionality in different organisations with different requirements for IT support, different systems need to be integrated in the different organisations, and the requirements will evolve over time. The complexity of this is illustrated below.
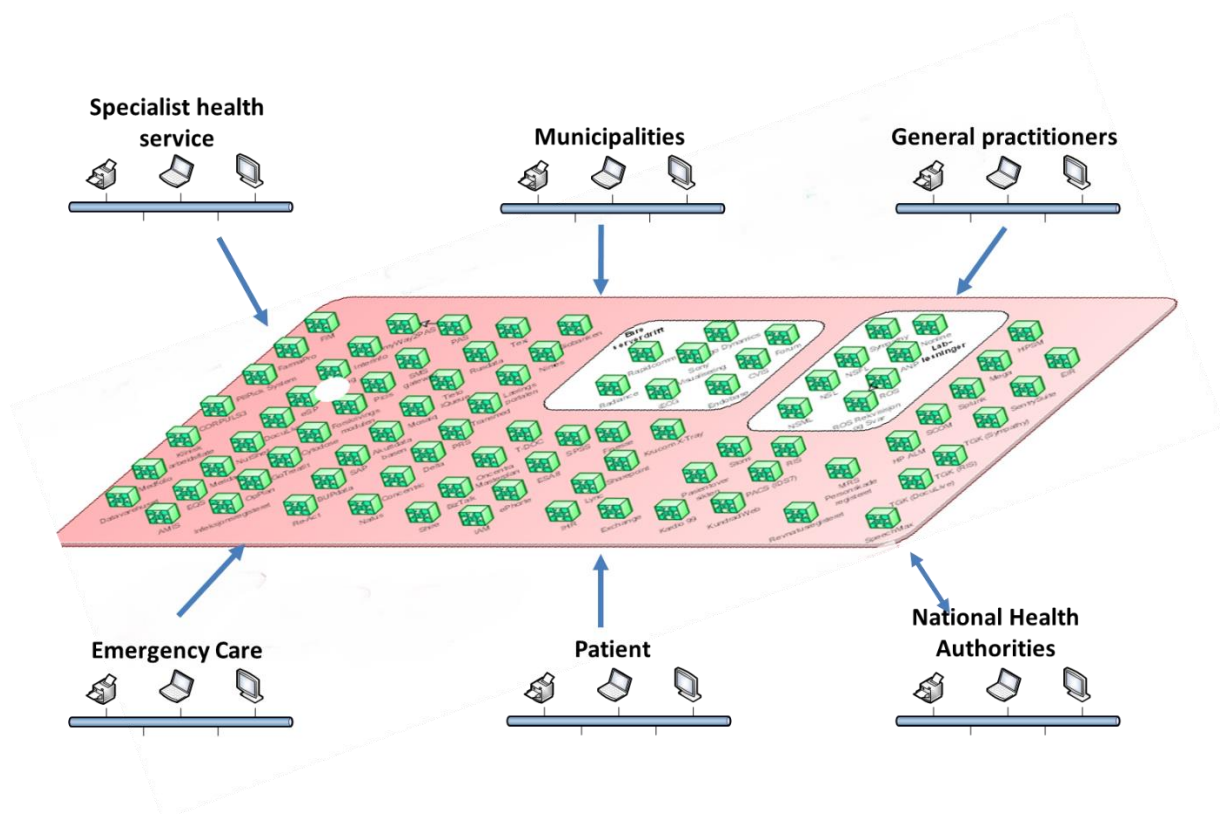
Figure 2 - Shared platform for the health service in Central Norway

The following architecture principles and requirements for application-, information- and technical architecture reflect that the solution has to be built on an architecture that allows for flexibility, diversity, scalability and evolution over time.

3.1   ARCHITECTURE PRINCIPLES

The Customer is following architecture principles based on architecture principles from *Nasjonal IKT HF*. These principles are based on the national principles and guidelines stated by the *Agency for Public Management and eGovernment (DIFI).*

In this Chapter, the Contractor is asked to describe the compliance with these principles.

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Table 4 - Architecture principles

Principle	Description
Holistic approach	A holistic approach is to be used when assessing needs, changes, opportunities and solutions. This involves taking into account the overall usefulness for the health service in the Central Norway Health Region.
Process orientation	The enterprises will through process orientation (e.g., patient flow and other core processes, as well as supporting processes) realise consistent and coherent health services, and ensure that ICT-solutions are designed to support these processes.
Service orientation	Service orientation shall be a basic design principle for enterprises and their ICT-solutions. This applies to all domains of enterprise architecture (business, information, application, and technology).
Interoperability	The enterprises and their ICT-solutions shall be designed for interoperability at organisational, semantic and technical levels.
Information security	The enterprises shall ensure the quality, confidentiality, integrity, availability, and traceability of information.
Availability	All relevant user groups shall have access to necessary functionality and information, in the right form at the right time and in the right place.
Quality of use	The ICT-solutions of the enterprises shall be designed in a way that ensures effectiveness, efficiency and a good user experience.
Adaptability	The enterprises' way of organisation, their processes, ICT-solutions, information, and technology shall be designed in such a way that they can support changes, and not act as restrictions for change.
Information management	Information is a critical resource for the enterprises and shall be managed accordingly.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24728	**Architecture principles** The Contractor shall in T Appendix 2C1 describe how the solution complies with the architecture principles listed above.	H	3	D	A;DC	C

3.2 REQUIREMENTS FOR THE ARCHITECTURE

The actors using the solution are continuously developing their enterprise architecture strategies. The solution will play an important part in fulfilling the actors' architecture strategy and the requirements for the solution will be aligned with the overall application, information and technology architecture for the actors using the solution.

It is a goal for the Customer that information is shared across the organisations, thus enabling seamless patient flow and information sharing. This implies a high degree of information sharing across actors as illustrated in Figure 3.
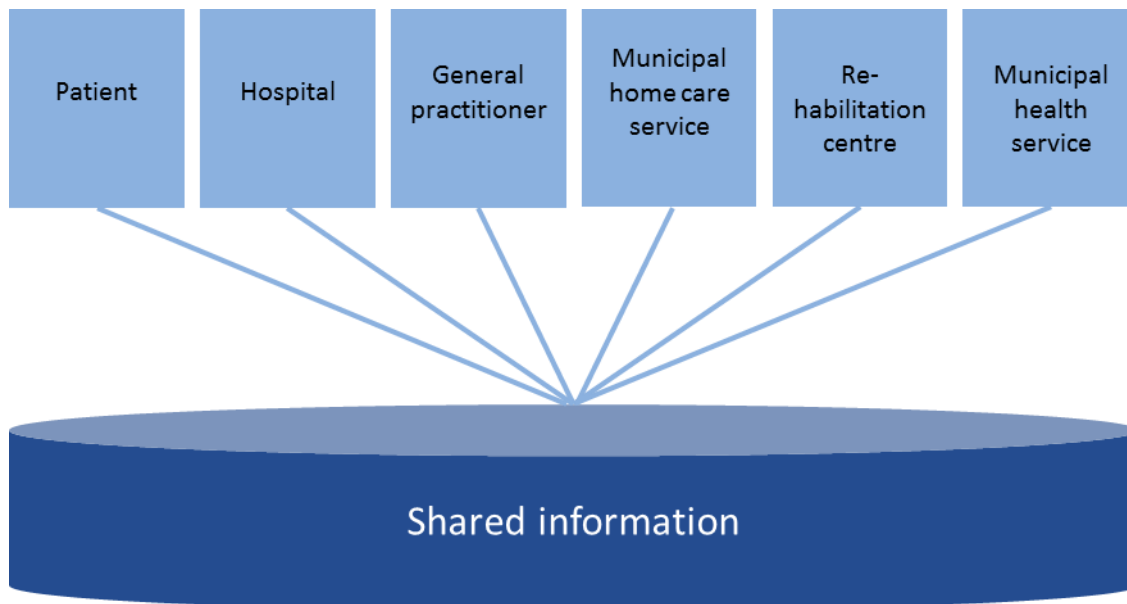
Figure 3 - Information sharing

In this Chapter, the Contractor is asked to describe the offered solution's overall architecture, including its structure and ease of use from an architecture and integration point of view.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24729	**Solution architecture** The Contractor shall in T Appendix 2C1 describe the architecture of the solution with focus on describing the following aspects: • Solution architecture and modularity • Technical layering and communication pattern and technology between the layers • Component structure, standards and reuse of common components • Development tools and code language used to develop the solution • Versioning of components	H	3	D	A;DC	C
T24730	**Internal communication** The solution shall use standard protocols to the greatest possible extent for internal communication between the various components, such as web services. The Contractor shall in T Appendix 2C1 describe the internal communication architecture.	H	3	D	A;DC	C

3.3 INFORMATION ARCHITECTURE

The Customer is developing an information architecture that is acknowledged throughout the health service. The information that the solution shall handle is characterised by the following characteristics:

• Critical health related

- Sensitive

- Large volume

- Shared across complex organisations

- Stored for a very long time

- Accessed by a high number of users

- Exchanged with other systems

- Exchanged with national authorities

- Used for a wide range of purposes

- Used for different purposes over time

- Available 24/7

Based on this, a high quality information architecture is needed to ensure the information is managed in a trustworthy way over time.

In this Chapter, the Contractor is asked to describe the overall information architecture in the offered solution, from an application and integration point of view.

The requirements are separated into requirements for **master data**, **terminologies**, **reference data** and **production data**.

Annex 1 shows a logical information model and an overview of the information that should be managed in the solution.

3.3.1 Master data

Master data through the use of national and regional registers are important to manage the data about the patients, as well as manage security and the patient flow.

The most important master data is describing the organisations, providers, locations and services as illustrated in Figure 4.
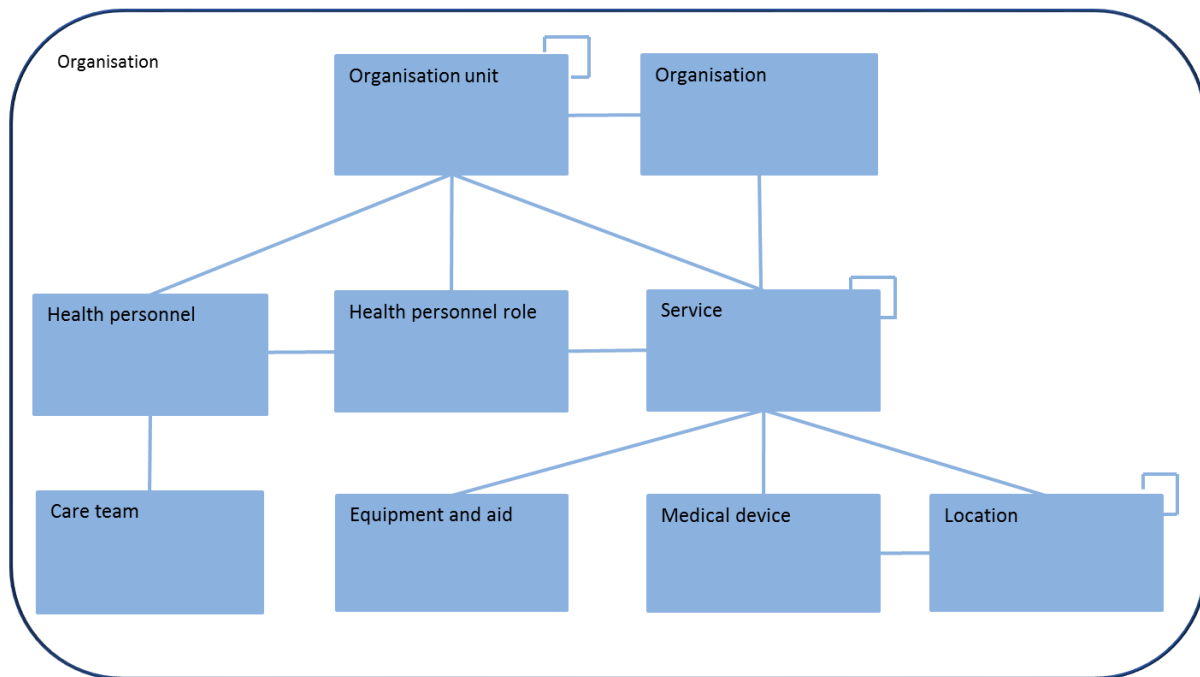
Figure 4 - Organisational master data

The master data handled by the solution has to cover multiple organisations, patient flow across organisations and open for organisations across locations, regardless of the origin of the master data. The solution must also be flexible with regards to the flow of personnel across organisational units.

The following are examples of national master data registers the solution should relate to:

- RESH (organisational units in the specialist health service)

- Adresseregistret (electronic addresses for health services in Norway)

- Enhetsregisteret (official register for legal entities in Norway)

- HPR (the national register of authorised health personnel)

- Folkeregisteret (national population register)

- Legestillingsregisteret (register of employed medical practitioners and medical practitioners' positions)

- Fastlegeregisteret (the regular GP register)

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24734	**Overall master data architecture** The Contractor shall in T Appendix 2C1 describe the information architecture for master data, registries and directory services.	H	3	D	A;DC	C
T24735	**Manage multiple organisations** The Contractor shall in T Appendix 2C1 describe the solution's	H	3	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
	ability and structures to manage different organisations and organisational models in the solution.					
T24736	**Data structure for the organisation master data** The Contractor shall in T Appendix 2C1 describe the entities and relations for how economical-, jurisdictional-, geographical-, and clinical-aspects of the organisations in the health service in Central Norway Health Region can be structured in the solution.	H	3	D	A;DC	C
T24737	**Shared master data in the organisation** The Contractor shall in T Appendix 2C1 describe how the master data for the organisation area is shared across all relevant modules in the solution.	H	3	D	A;DC	C
T24738	**Registry and directory services** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.3 in EHR-S FM.	H	2	D	A;DC	C
T24739	**Registry and directory services – manage internal** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.3 in EHR-S FM.	H	2	N/A	DC	C
T24740	**Registry and directory services – exchange information with external registry and directory services** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.3 in EHR-S FM.	H	2	N/A	DC	C
T24741	**Registry and directory services - secure information exchange** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.3 in EHR-S FM.	H	2	N/A	DC	C
T24742	**Registry and directory services - standardised information exchange** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.3 in EHR-S FM.	H	2	N/A	DC	C
T24743	**Registry and directory services - standard based interfaces for local information** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.3 in EHR-S FM.	M	2	N/A	DC	C
T24744	**Registry and directory services - standard based interfaces for external information** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.3 in EHR-S FM.	M	2	N/A	DC	C
T24745	**Registry and directory services - internal or external patient identity** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.3 in EHR-S FM.	M	2	N/A	DC	C
T24746	**Registry and directory services - internal or external healthcare information** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.3 in EHR-S FM.	L	2	N/A	DC	C
T24747	**Registry and directory services - internal or external provider information** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.3 in EHR-S FM.	L	2	N/A	DC	C
T24748	**Registry and directory services - internal or external employer information** The Contractor confirms that the solution shall comply with conformance criteria 11 of function TI.3 in EHR-S FM.	L	2	N/A	DC	C

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3.3.2 Terminologies and reference data

The use of *terminologies* and *reference data* in the solution is described in *T Appendix 1B, Chapter 4.8.*

In the administrative areas the reference data is to a great extent standardised on a national level.

All national reference data can be found at http://www.volven.no, cf. *Appendix C6, Chapter 10.2, ID SG7*. National reference data might be combined with local reference data in calculations for reimbursement for cost of services.

A limited amount of reference data exists and is used in the clinical area. An example, is diagnoses (ICD.10) and procedure codes.

Common terminologies are recently defined and are used by the laboratory services. The documentation of the terminologies used in the clinical area can be found at https://ehelse.no/standarder-kodeverk-og-referansekatalog/referansekatalogen, cf. *Appendix C6, Chapter 10.2, ID SG1*.

Today clinical information is generally recorded in free text with no use of a common standardised terminology, but for the solution, structured terminologies like SNOMED CT should be used.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24749	**Support of national reference data** The Contractor shall in T Appendix 2C1 describe how relevant national reference data (cf. *http://www.volven.no*, cf. *Appendix C6, Chapter 10.2, ID SG7*) will be managed in the solution.	H	3	D	A;DC	C
T24750	**Support of terminologies** The Contractor shall in T Appendix 2C1 describe how relevant international clinical terminologies will be managed in the solution.	H	3	D	A;DC	C
T24777	**Reference data - different organisations** The Contractor shall in T Appendix 2C1 describe how reference data dedicated for different organisations can be managed and mapped.	H	3	D	A;DC	C
T24751	**Standard terminology and terminology models** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.4.1 in EHR-S FM.	H	3	D	A;DC	C
T24752	**Standard terminology and terminology models - coded clinical data in approved standard terminology** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.4.1 in EHR-S FM.	H	3	N/A	DC	C
T24753	**Standard terminology and terminology models - receive and transmit data according to standard information models and standard terminologies** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.4.1 in EHR-S FM.	M	3	N/A	DC	C
T24754	**Standard terminology and terminology models - manage data using standard terminology model** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.4.1 in EHR-S FM.	M	3	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24755	**Standard terminology and terminology models - hierarchical inferences** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.4.1 in EHR-S FM.	M	3	N/A	DC	C
T24756	**Standard terminology and terminology models - assets and supporting tools** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.4.1 in EHR-S FM.	H	3	N/A	DC	C
T24757	**Standard terminology and terminology models - locally defined standard** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.4.1 in EHR-S FM.	L	3	N/A	DC	C
T24758	**Standard terminology and terminology models - capture structured information without user knowledge of terminologies** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.4.1 in EHR-S FM.	M	3	N/A	DC	C
T24759	**Standard terminology and terminology models - text form data** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.4.1 in EHR-S FM.	M	3	N/A	DC	C
T24760	**Standard terminology and terminology models - language appropriate for the user** The Contractor confirms that the solution shall comply with conformance criteria 10 of function TI.4.1 in EHR-S FM.	M	3	N/A	DC	C
T24761	**Maintenance and versioning of standard terminologies** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.4.2 in EHR-S FM.	H	3	D	A;DC	C
T24762	**Maintenance and versioning of standard terminologies - different versions** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.4.2 in EHR-S FM.	H	3	N/A	DC	C
T24763	**Maintenance and versioning of standard terminologies - update** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.4.2 in EHR-S FM.	H	3	N/A	DC	C
T24764	**Maintenance and versioning of standard terminologies - relationship among versions** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.4.2 in EHR-S FM.	M	3	N/A	DC	C
T24765	**Maintenance and versioning of standard terminologies - harmonise across versions when receiving/transmitting** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.4.2 in EHR-S FM.	M	3	N/A	DC	C
T24766	**Maintenance and versioning of standard terminologies - deprecated status** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.4.2 in EHR-S FM.	H	3	N/A	DC	C
T24767	**Maintenance and versioning of standard terminologies - deprecated codes within a terminology** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.4.2 in EHR-S FM.	H	3	N/A	DC	C
T24768	**Maintenance and versioning of standard terminologies - update terms**	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
	The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.4.2 in EHR-S FM.					
T24769	**Maintenance and versioning of standard terminologies - update terminologies used to enter clinical content** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.4.2 in EHR-S FM.	H	3	N/A	DC	C
T24770	**Maintenance and versioning of standard terminologies - audit log and change history** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.4.2 in EHR-S FM.	H	3	N/A	DC	C
T24771	**Terminology mapping** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.4.3 in EHR-S FM.	H	3	D	A;DC	C
T24772	**Terminology mapping - manage data using terminology maps** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.4.3 in EHR-S FM.	H	3	N/A	DC	C
T24773	**Terminology mapping - update terminology maps** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.4.3 in EHR-S FM.	M	3	N/A	DC	C
T24774	**Terminology mapping - data quality reports** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.4.3 in EHR-S FM.	M	3	N/A	DC	C
T24775	**Terminology mapping - custom terminology maps** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.4.3 in EHR-S FM.	L	3	N/A	DC	C
T24776	**Terminology mapping - custom terminology maps to formal terminology maps** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.4.3 in EHR-S FM.	L	3	N/A	DC	C

3.3.3 Production data

The information managed in the solution will mainly cover patient information and the whole patient flow across all health services in the Central Norway Health Region. It will cover plans for treatment and care, the current status and historical clinical and administrative information. In addition, availability of *resources* used in patient treatment will be part of the ***production data*** in the system. The main information in the system is illustrated below.
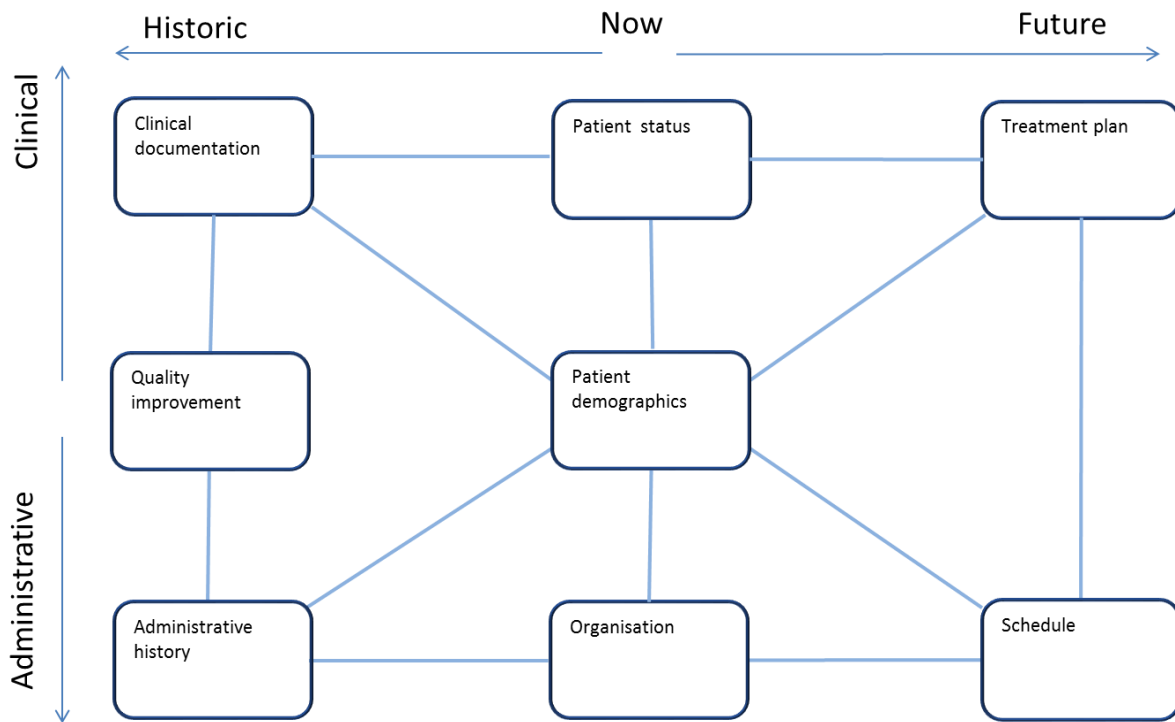
Figure 5 - Information model

The table below lists the main information entities in each group. The list of information entities is not exhaustive.

Table 5 - Main information entities in each group

Administrative history	Claim Diagnose Payment Procedure
Clinical documentation	Assessment Clinical measurements Documents Results
Organisation	Cf. *Chapter 3.3.1*
Patient demographics	Employer Patient Patient economy Preference Related person
Patient status	Allergy and adverse reaction Health related factor Immunisation Medical device in use Medication in use Patient history Problem

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Quality improvement	Adverse events
	Improvement proposals
Schedule	Activity
	Appointment slot
	Decision
	Encounter
	Episode of care
	Resource availability
Treatment plan	Care order
	Diagnostic order
	Goal
	Medication order
	Referral Request
	Treatment plan

Cf. *Annex 1* for a description of the different information entities.

The quality of the patient information recorded in the new solution will improve, compared to the current solution's, in several dimensions:

- Clinical historic documentation will move from unstructured to structured documentation

- Move from documenting what is done to describing the patients' health related state

- Information about the future will evolve from getting information about the next booking to more complete treatment plans

- Historic administrative information will move from documenting encounters to documenting complete patient flows

Jurisdiction covering the delivery of health service might change over time. Patient information shall be stored over the lifetime of the patient.

This means that a highly flexible, secure, auditable, shared information storage is required.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24778	**Overall information architecture** The Contractor shall in T Appendix 2C1 describe the mechanisms that ensure consistency across the whole information architecture.	H	3	D	A;DC	C
T26045	**Overall information model** The Contractor shall in T Appendix 2C1 describe the *EHR* solution's information model. If the solution includes more than one information model, all of them must be described.	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T26434	**Relate information models** The Contractor shall in T Appendix 2C1 describe a map between the customers and the solution's information model. If the solution includes more information models, the map should include all information models. If the Contractor encounter missing information types in the Customers information model, this shall be described.	H	3	D	A;DC	C
T24779	**Information sharing** The Contractor shall in T Appendix 2C1 describe how the information architecture supports information sharing across all health providers using the new solution.	H	3	D	A;DC	C
T24780	**Transaction handling** The Contractor shall in T Appendix 2C1 describe the mechanisms that ensure consistency across the distributed information architecture and indices, if the information architecture is distributed.	H	3	D	A;DC	C
T24781	**Record lifecycle** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1 in EHR-S FM.	H	2	D	A;DC	C
T24782	**Record lifecycle - conform to RI.1.2.1 as final step** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24783	**Originate and retain record entry** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.1 in EHR-S FM.	H	2	D	A;DC	C
T24784	**Originate and retain record entry - capture record entry** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24785	**Originate and retain record entry - unique instance identifier** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24786	**Originate and retain record entry - digital signing of record entry** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24787	**Originate and retain record entry - structured and unstructured content** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24788	**Originate and retain record entry - capture record entries recorded during downtime** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24789	**Originate and retain record entry - integrate record entries recorded during downtime** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.1 in EHR-S FM.	M	2	N/A	DC	C
T24790	**Originate and retain record entry - date time of action collection** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.1 in EHR-S FM.	H	2	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24791	**Originate and retain record entry - capture metadata** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.1 in EHR-S FM.	M	2	N/A	DC	C
T24792	**Originate and retain record entry - tag unstructured content** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24793	**Originate and retain record entry - standard based object** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24794	**Originate and retain record entry - standard based data object to mirror internal record entry** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24795	**Evidence of record entry originate/retain event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.1.1 in EHR-S FM.	H	2	D	A;DC	C
T24796	**Evidence of record entry originate/retain event - audit when a record entry is originated and retained** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24797	**Evidence of record entry originate/retain event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24798	**Evidence of record entry originate/retain event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24799	**Evidence of record entry originate/retain event - capture performers** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24800	**Evidence of record entry originate/retain event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24801	**Evidence of record entry originate/retain event - capture identity of the system application** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24802	**Evidence of record entry originate/retain event - capture identity of device** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24803	**Evidence of record entry originate/retain event - capture action** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24804	**Evidence of record entry originate/retain event - capture event trigger** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24805	**Evidence of record entry originate/retain event - capture the date and time of action** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24806	**Evidence of record entry originate/retain event - capture the date and time of record entry content originated** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.1.1 in EHR-S FM.	H	2	N/A	DC	C
T24807	**Evidence of record entry originate/retain event - capture the duration of the action** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24808	**Evidence of record entry originate/retain event - capture the physical location of the action** The Contractor confirms that the solution shall comply with conformance criteria 13 of function RI.1.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24809	**Evidence of record entry originate/retain event - capture identity of the location** The Contractor confirms that the solution shall comply with conformance criteria 14 of function RI.1.1.1.1 in EHR-S FM.	M	2	N/A	DC	C
T24810	**Evidence of record entry originate/retain event - capture the rationale for the action** The Contractor confirms that the solution shall comply with conformance criteria 15 of function RI.1.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24811	**Evidence of record entry originate/retain event - capture the rationale** The Contractor confirms that the solution shall comply with conformance criteria 16 of function RI.1.1.1.1 in EHR-S FM.	L	2	N/A	DC	C
T24812	**Evidence of record entry originate/retain event - capture template** The Contractor confirms that the solution shall comply with conformance criteria 17 of function RI.1.1.1.1 in EHR-S FM.	M	2	N/A	DC	C
T24813	**Amend record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.2 in EHR-S FM.	H	2	D	A;DC	C
T24814	**Amend record entry content - ability to update (amend) record entry content** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.2 in EHR-S FM.	H	2	N/A	DC	C
T24815	**Amend record entry content - maintain original version of the record entry** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.2 in EHR-S FM.	H	2	N/A	DC	C
T24816	**Amend record entry content - new version of record** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.2 in EHR-S FM.	H	2	N/A	DC	C
T24817	**Amend record entry content - signature of amendment author** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.2 in EHR-S FM.	H	2	N/A	DC	C
T24818	**Evidence of record entry amendment event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.2.1 in EHR-S FM.	H	2	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24819	**Evidence of record entry amendment event - audit each record amendment** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24820	**Evidence of record entry amendment event - capture identity of the organisation where record entry content is amended** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24821	**Evidence of record entry amendment event - capture identity of the patient who is subject of amended record entry content** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24822	**Evidence of record entry amendment event - capture identity of the user who entered/authored record entry content** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24823	**Evidence of record entry amendment event - capture identity of the system application which amended record entry content** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24824	**Evidence of record entry amendment event - capture the type of record event trigger (amendment)** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24825	**Evidence of record entry amendment event - capture the date and time record entry content is amended** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24826	**Evidence of record entry amendment event - capture identity of the location where record was amended** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.2.1 in EHR-S FM.	M	2	N/A	DC	C
T24827	**Evidence of record entry amendment event - capture the rationale for amending record entry content** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.2.1 in EHR-S FM.	M	2	N/A	DC	C
T24828	**Evidence of record entry amendment event - capture a sequence identifier for amended record entry content** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T24829	**Evidence of record entry amendment event - capture a reference (link, pointer) to pre-amendment data** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.2.1 in EHR-S FM.	M	2	N/A	DC	C
T24830	**Translate record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.3 in EHR-S FM.	H	2	D	A;DC	C
T24831	**Translate record entry content - render translated record entry content** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.3 in EHR-S FM.	H	2	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24832	**Translate record entry content - ability to render coded record entry content translated from one value set to another** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.3 in EHR-S FM.	H	2	N/A	DC	C
T24833	**Translate record entry content - render record entry content translated from one human language to another** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.3 in EHR-S FM.	L	2	N/A	DC	C
T24834	**Translate record entry content - maintain original version** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.3 in EHR-S FM.	M	2	N/A	DC	C
T24835	**Translate record entry content - capture translated version** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.3 in EHR-S FM.	M	2	N/A	DC	C
T24836	**Evidence of record entry translate event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.3.1 in EHR-S FM.	H	2	D	A;DC	C
T24837	**Evidence of record entry translate event - audit record translation** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24838	**Evidence of record entry translate event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24839	**Evidence of record entry translate event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24840	**Evidence of record entry translate event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24841	**Evidence of record entry translate event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24842	**Evidence of record entry translate event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24843	**Evidence of record entry translate event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24844	**Evidence of record entry translate event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.3.1 in EHR-S FM.	M	2	N/A	DC	C
T24845	**Evidence of record entry translate event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.3.1 in EHR-S FM.	L	2	N/A	DC	C
T24846	**Evidence of record entry translate event - capture sequence identifier** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24847	**Evidence of record entry translate event - identifier and version of translation tools** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24848	**Evidence of record entry translate event - reference (link, pointer) to pre-translation data** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.3.1 in EHR-S FM.	H	2	N/A	DC	C
T24849	**Attest record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.4 in EHR-S FM.	H	2	D	A;DC	C
T24850	**Attest record entry content - authentication** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24851	**Attest record entry content – authorisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24852	**Attest record entry content - attest by author** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24853	**Attest record entry content - attest with digital signature** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24854	**Attest record entry content - attest any record entry content** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24855	**Attest record entry content - resent non-attested content** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24856	**Attest record entry content - counter signature** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24857	**Attest record entry content - maintain digital signatures** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.4 in EHR-S FM.	M	2	N/A	DC	C
T24858	**Attest record entry content - several authors** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24859	**Attest record entry content - display authors and attester** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24860	**Attest record entry content - minimum author information** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24861	**Attest record entry content - signature type sending content** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24862	**Attest record entry content - signature type, receiving content** The Contractor confirms that the solution shall comply with conformance criteria 13 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24863	**Attest record entry content - all signatures when passing entities** The Contractor confirms that the solution shall comply with conformance criteria 14 of function RI.1.1.4 in EHR-S FM.	H	2	N/A	DC	C
T24864	**Evidence of record entry attestation event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.4.1 in EHR-S FM.	H	2	D	A;DC	C
T24865	**Evidence of record entry attestation event – audit each attestation** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24866	**Evidence of record entry attestation event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24867	**Evidence of record entry attestation event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24868	**Evidence of record entry attestation event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24869	**Evidence of record entry attestation event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24870	**Evidence of record entry attestation event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24871	**Evidence of record entry attestation event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24872	**Evidence of record entry attestation event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.4.1 in EHR-S FM.	M	2	N/A	DC	C
T24873	**Evidence of record entry attestation event - capture attested data** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T24874	**View/access record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.5 in EHR-S FM.	H	2	D	A;DC	C
T24875	**View/access record entry content - mask content** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.5 in EHR-S FM.	L	2	N/A	DC	C
T24876	**View/access record entry content - view content including versions** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.5 in EHR-S FM.	H	2	N/A	DC	C
T24877	**View/access record entry content - view discrete elements** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.5 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24878	**Evidence of record entry view/access event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.5.1 in EHR-S FM.	H	2	D	A;DC	C
T24879	**Evidence of record entry view/access event - audit each view** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24880	**Evidence of record entry view/access event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24881	**Evidence of record entry view/access event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24882	**Evidence of record entry view/access event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24883	**Evidence of record entry view/access event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24884	**Evidence of record entry view/access event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24885	**Evidence of record entry view/access event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24886	**Evidence of record entry view/access event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.5.1 in EHR-S FM.	M	2	N/A	DC	C
T24887	**Evidence of record entry view/access event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.5.1 in EHR-S FM.	L	2	N/A	DC	C
T24888	**Evidence of record entry view/access event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24889	**Evidence of record entry view/access event - primary search or aggregated report** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.5.1 in EHR-S FM.	L	2	N/A	DC	C
T24890	**Evidence of record entry view/access event - disclosure** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.5.1 in EHR-S FM.	H	2	N/A	DC	C
T24891	**Evidence of record entry view/access event - capture permissions** The Contractor confirms that the solution shall comply with conformance criteria 13 of function RI.1.1.5.1 in EHR-S FM.	M	2	N/A	DC	C
T24892	**Output/report record entry** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.6 in EHR-S FM.	H	2	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24893	**Output/report record entry content - report content and metadata** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.6 in EHR-S FM.	M	2	N/A	DC	C
T24894	**Output/report record entry content - report content extracts** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.6 in EHR-S FM.	H	2	N/A	DC	C
T24895	**Output/report record entry content - identify patient on output** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.6 in EHR-S FM.	H	2	N/A	DC	C
T24896	**Output/report record entry content - output based om permissions** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.6 in EHR-S FM.	M	2	N/A	DC	C
T24897	**Output/report record entry content - transmit corresponding permissions** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.6 in EHR-S FM.	M	2	N/A	DC	C
T24898	**Output/report record entry content - confirm to TI.1.6** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.6 in EHR-S FM.	H	2	N/A	DC	C
T24899	**Output/report record entry content - extract content** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.6 in EHR-S FM.	H	2	N/A	DC	C
T24900	**Output/report record entry content - de-identity** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.6 in EHR-S FM.	H	2	N/A	DC	C
T24901	**Output/report record entry content - one version** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.6 in EHR-S FM.	H	2	N/A	DC	C
T24902	**Evidence of record entry output/report event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.6.1 in EHR-S FM.	H	2	D	A;DC	C
T24903	**Evidence of record entry output/report event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24904	**Evidence of record entry output/report event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24905	**Evidence of record entry output/report event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24906	**Evidence of record entry output/report event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24907	**Evidence of record entry output/report event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24908	**Evidence of record entry output/report event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24909	**Evidence of record entry output/report event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24910	**Evidence of record entry output/report event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.6.1 in EHR-S FM.	M	2	N/A	DC	C
T24911	**Evidence of record entry output/report event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.6.1 in EHR-S FM.	L	2	N/A	DC	C
T24912	**Evidence of record entry output/report event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.6.1 in EHR-S FM.	L	2	N/A	DC	C
T24913	**Evidence of record entry output/report event - disclosure** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.6.1 in EHR-S FM.	H	2	N/A	DC	C
T24914	**Evidence of record entry output/report event - capture permissions** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.6.1 in EHR-S FM.	M	2	N/A	DC	C
T24915	**Disclose record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.7 in EHR-S FM.	H	2	D	A;DC	C
T24916	**Disclose record entry content - identify patient of disclosure** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.7 in EHR-S FM.	H	2	N/A	DC	C
T24917	**Disclose record entry content - log entry for disclosure of protected record** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.7 in EHR-S FM.	H	2	N/A	DC	C
T24918	**Disclose record entry content - disclosure based on permissions** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.7 in EHR-S FM.	M	2	N/A	DC	C
T24919	**Disclose record entry content - disclose based on consent** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.7 in EHR-S FM.	M	2	N/A	DC	C
T24920	**Disclose record entry content - conform to TI.1.6** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.7 in EHR-S FM.	H	2	N/A	DC	C
T24921	**Disclose record entry content - conform to RI.1.1.13** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.7 in EHR-S FM.	H	2	N/A	DC	C
T24922	**Disclose record entry content - conform to RI.1.1.10** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.7 in EHR-S FM.	H	2	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24923	**Evidence of record entry disclosure event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.7.1 in EHR-S FM.	H	2	D	A;DC	C
T24924	**Evidence of record entry disclosure event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24925	**Evidence of record entry disclosure event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24926	**Evidence of record entry disclosure event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24927	**Evidence of record entry disclosure event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24928	**Evidence of record entry disclosure event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24929	**Evidence of record entry disclosure event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24930	**Evidence of record entry disclosure event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24931	**Evidence of record entry disclosure event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.7.1 in EHR-S FM.	M	2	N/A	DC	C
T24932	**Evidence of record entry disclosure event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.7.1 in EHR-S FM.	M	2	N/A	DC	C
T24933	**Evidence of record entry disclosure event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.7.1 in EHR-S FM.	L	2	N/A	DC	C
T24934	**Evidence of record entry disclosure event - disclosure** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.7.1 in EHR-S FM.	H	2	N/A	DC	C
T24935	**Evidence of record entry disclosure event - capture permissions** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.7.1 in EHR-S FM.	M	2	N/A	DC	C
T24936	**Transmit record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.8 in EHR-S FM.	H	2	D	A;DC	C
T24937	**Transmit record entry content - transmit content and metadata to external systems** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.8 in EHR-S FM.	M	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24938	**Transmit record entry content - transmit extracts** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24939	**Transmit record entry content - identify patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24940	**Transmit record entry content - transmit based on permissions** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.8 in EHR-S FM.	M	2	N/A	DC	C
T24941	**Transmit record entry content - transmit based on consent** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.8 in EHR-S FM.	M	2	N/A	DC	C
T24942	**Transmit record entry content - conform to function TI.1.6** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24943	**Transmit record entry content - extract prior to transmission** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24944	**Transmit record entry content - de-identify** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24945	**Transmit record entry content - transmit updates** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24946	**Transmit record entry content - most recent version** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.8 in EHR-S FM.	H	2	N/A	DC	C
T24947	**Evidence of record entry transmit event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.8.1 in EHR-S FM.	H	2	D	A;DC	C
T24948	**Evidence of record entry transmit event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24949	**Evidence of record entry transmit event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24950	**Evidence of record entry transmit event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24951	**Evidence of record entry transmit event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24952	**Evidence of record entry transmit event - capture system sending** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24953	**Evidence of record entry transmit event - capture system receiving** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24954	**Evidence of record entry transmit event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24955	**Evidence of record entry transmit event - date time of event** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24956	**Evidence of record entry transmit event - location of sender** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.8.1 in EHR-S FM.	M	2	N/A	DC	C
T24957	**Evidence of record entry transmit event - location of receiver** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24958	**Evidence of record entry transmit event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.8.1 in EHR-S FM.	L	2	N/A	DC	C
T24959	**Evidence of record entry transmit event - type of record** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24960	**Evidence of record entry transmit event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 13 of function RI.1.1.8.1 in EHR-S FM.	L	2	N/A	DC	C
T24961	**Evidence of record entry transmit event - capture data elements** The Contractor confirms that the solution shall comply with conformance criteria 14 of function RI.1.1.8.1 in EHR-S FM.	L	2	N/A	DC	C
T24962	**Evidence of record entry transmit event - disclosure** The Contractor confirms that the solution shall comply with conformance criteria 15 of function RI.1.1.8.1 in EHR-S FM.	H	2	N/A	DC	C
T24963	**Evidence of record entry transmit event - capture permissions** The Contractor confirms that the solution shall comply with conformance criteria 16 of function RI.1.1.8.1 in EHR-S FM.	M	2	N/A	DC	C
T24964	**Receive and retain record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.9 in EHR-S FM.	H	2	D	A;DC	C
T24965	**Receive and retain record entries - capture and maintain from external systems** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.9 in EHR-S FM.	M	2	N/A	DC	C
T24966	**Receive and retain record entries - capture extracts** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.9 in EHR-S FM.	H	2	N/A	DC	C
T24967	**Receive and retain record entries - identify patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.9 in EHR-S FM.	H	2	N/A	DC	C
T24968	**Receive and retain record entries - control subsequent access** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.9 in EHR-S FM.	M	2	N/A	DC	C
T24969	**Evidence of record entry receive/retain event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.9.1 in EHR-S FM.	H	2	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24970	**Evidence of record entry receive/retain event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24971	**Evidence of record entry receive/retain event - capture organisation transmitting** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24972	**Evidence of record entry receive/retain event - capture organisation receiving** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24973	**Evidence of record entry receive/retain event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24974	**Evidence of record entry receive/retain event - capture identity of user accepting receipt** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24975	**Evidence of record entry receive/retain event - capture system sending** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24976	**Evidence of record entry receive/retain event - capture system receiving** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24977	**Evidence of record entry receive/retain event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24978	**Evidence of record entry receive/retain event - date time of event** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24979	**Evidence of record entry receive/retain event - location of receiver** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.9.1 in EHR-S FM.	M	2	N/A	DC	C
T24980	**Evidence of record entry receive/retain event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.9.1 in EHR-S FM.	L	2	N/A	DC	C
T25813	**Evidence of record entry receive/retain event - capture type** The Contractor confirms that the solution shall comply with conformance criteria 12 of function RI.1.1.9.1 in EHR-S FM.	H	2	N/A	DC	C
T24981	**Evidence of record entry receive/retain event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 13 of function RI.1.1.9.1 in EHR-S FM.	L	2	N/A	DC	C
T24982	**Evidence of record entry receive/retain event - capture data elements** The Contractor confirms that the solution shall comply with conformance criteria 14 of function RI.1.1.9.1 in EHR-S FM.	L	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T24983	**De-identify record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.10 in EHR-S FM.	H	2	D	A;DC	C
T24984	**De-identify record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.10 in EHR-S FM.	H	2	N/A	DC	C
T24985	**Evidence of record entry de-identification event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.10.1 in EHR-S FM.	H	2	D	A;DC	C
T24986	**Evidence of record entry de-identification event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24987	**Evidence of record entry de-identification event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24988	**Evidence of record entry de-identification event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24989	**Evidence of record entry de-identification event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24990	**Evidence of record entry de-identification event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24991	**Evidence of record entry de-identification event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24992	**Evidence of record entry de-identification event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.10.1 in EHR-S FM.	H	2	N/A	DC	C
T24993	**Evidence of record entry de-identification event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.10.1 in EHR-S FM.	M	2	N/A	DC	C
T24994	**Evidence of record entry de-identification event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.10.1 in EHR-S FM.	L	2	N/A	DC	C
T24995	**Evidence of record entry de-identification event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.10.1 in EHR-S FM.	L	2	N/A	DC	C
T24996	**Provide pseudonymised identity for record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.11 in EHR-S FM.	H	2	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T24997	**Provide pseudonymised identity for record entries - provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.11 in EHR-S FM.	H	2	N/A	DC	C
T24998	**Evidence of record entry pseudonymisation event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.11.1 in EHR-S FM.	H	2	D	A;DC	C
T24999	**Evidence of record entry pseudonymisation event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25000	**Evidence of record entry pseudonymisation event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25001	**Evidence of record entry pseudonymisation event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25002	**Evidence of record entry pseudonymization event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25003	**Evidence of record entry pseudonymisation event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25004	**Evidence of record entry pseudonymisation event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25005	**Evidence of record entry pseudonymisation event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.11.1 in EHR-S FM.	H	2	N/A	DC	C
T25006	**Evidence of record entry pseudonymisation event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.11.1 in EHR-S FM.	M	2	N/A	DC	C
T25007	**Evidence of record entry pseudonymisation event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.11.1 in EHR-S FM.	L	2	N/A	DC	C
T25008	**Re-identify record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.12 in EHR-S FM.	H	2	D	A;DC	C
T25009	**Re-identify record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.12 in EHR-S FM.	H	2	N/A	DC	C
T25010	**Evidence of record entry re-identification event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.12.1 in EHR-S FM.	H	2	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25011	**Evidence of record entry re-identification event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25012	**Evidence of record entry re-identification event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25013	**Evidence of record entry re-identification event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25014	**Evidence of record entry re-identification event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25015	**Evidence of record entry re-identification event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25016	**Evidence of record entry re-identification event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25017	**Evidence of record entry re-identification event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.12.1 in EHR-S FM.	H	2	N/A	DC	C
T25018	**Evidence of record entry re-identification event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.12.1 in EHR-S FM.	M	2	N/A	DC	C
T25019	**Evidence of record entry re-identification event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.12.1 in EHR-S FM.	L	2	N/A	DC	C
T25020	**Extract record entry content** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.13 in EHR-S FM.	H	2	D	A;DC	C
T25021	**Extract record entry content - provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.13 in EHR-S FM.	H	2	N/A	DC	C
T25022	**Extract record entry content - de-Identify during extraction** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.13 in EHR-S FM.	H	2	N/A	DC	C
T25023	**Extract record entry content - query based** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.13 in EHR-S FM.	H	2	N/A	DC	C
T25024	**Extract record entry content - metadata** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.13 in EHR-S FM.	H	2	N/A	DC	C

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T25025	**Extract record entry content - extract all entries for patient** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.13 in EHR-S FM.	M	2	N/A	DC	C
T25026	**Extract record entry content - full chronicle of healthcare process** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.13 in EHR-S FM.	M	2	N/A	DC	C
T25027	**Extract record entry content - full chronicle of healthcare delivered to patient** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.13 in EHR-S FM.	M	2	N/A	DC	C
T25028	**Extract record entry content - various purposes, administrative, financial, research, quality analysis and public health** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.13 in EHR-S FM.	H	2	N/A	DC	C
T25029	**Extract record entry content - system migration** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.13 in EHR-S FM.	M	2	N/A	DC	C
T25030	**Extract record entry content - exclude sensitive or privileged** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.13 in EHR-S FM.	M	2	N/A	DC	C
T25031	**Extract record entry content - unstructured to structured** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.13 in EHR-S FM.	L	2	N/A	DC	C
T25032	**Evidence of record entry extraction event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.13.1 in EHR-S FM.	H	2	D	A;DC	C
T25033	**Evidence of record entry extraction event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C
T25034	**Evidence of record entry extraction event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C
T25035	**Evidence of record entry extraction event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C
T25036	**Evidence of record entry extraction event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C
T25037	**Evidence of record entry extraction event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C
T25038	**Evidence of record entry extraction event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C
T25039	**Evidence of record entry extraction event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.13.1 in EHR-S FM.	H	2	N/A	DC	C

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T25040	**Evidence of record entry extraction event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.13.1 in EHR-S FM.	M	2	N/A	DC	C
T25041	**Evidence of record entry extraction event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.13.1 in EHR-S FM.	L	2	N/A	DC	C
T25042	**Archive record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.14 in EHR-S FM.	H	3	D	A;DC	C
T25043	**Archive record entries – archive according to RI.3** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.14 in EHR-S FM.	H	3	N/A	DC	C
T25044	**Evidence of record entry archive event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.14.1 in EHR-S FM.	H	3	D	A;DC	C
T25045	**Evidence of record entry archive event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25046	**Evidence of record entry archive event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25047	**Evidence of record entry archive event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25048	**Evidence of record entry archive event - capture archive identifier** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25049	**Evidence of record entry archive event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25050	**Evidence of record entry archive event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25051	**Evidence of record entry archive event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25052	**Evidence of record entry archive event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C
T25053	**Evidence of record entry archive event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.14.1 in EHR-S FM.	M	3	N/A	DC	C
T25054	**Evidence of record entry archive event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.14.1 in EHR-S FM.	L	3	N/A	DC	C
T25055	**Evidence of record entry archive event – set of records archived** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.14.1 in EHR-S FM.	H	3	N/A	DC	C

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T25056	**Evidence of record entry archive event – archiving method** The Contractor confirms that the solution shall comply with conformance criteria 13 of function RI.1.1.14.1 in EHR-S FM.	M	3	N/A	DC	C
T25057	**Restore record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.15 in EHR-S FM.	H	3	D	A;DC	C
T25058	**Restore record entries - ability to restore** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.15 in EHR-S FM.	H	3	N/A	DC	C
T25059	**Evidence of record entry restore event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.15.1 in EHR-S FM.	H	3	D	A;DC	C
T25060	**Evidence of record entry restore event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25061	**Evidence of record entry restore event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25062	**Evidence of record entry restore event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25063	**Evidence of record entry restore event - capture archive identifier** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25064	**Evidence of record entry restore event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25065	**Evidence of record entry restore event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25066	**Evidence of record entry restore event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25067	**Evidence of record entry restore event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.15.1 in EHR-S FM.	H	3	N/A	DC	C
T25068	**Evidence of record entry restore event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.15.1 in EHR-S FM.	M	3	N/A	DC	C
T25069	**Evidence of record entry restore event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.15.1 in EHR-S FM.	L	3	N/A	DC	C
T25070	**Evidence of record entry restore event - capture data** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.15.1 in EHR-S FM.	L	3	N/A	DC	C
T25071	**Destroy or identify record entries as missing** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.16 in EHR-S FM.	H	3	D	A;DC	C

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T25072	**Destroy or identify record entries as missing - ability to delete** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.16 in EHR-S FM.	H	3	N/A	DC	C
T25073	**Destroy or identify record entries as missing - ability to tag as missing** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.16 in EHR-S FM.	H	3	N/A	DC	C
T25074	**Evidence of record entry destruction event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.16.1 in EHR-S FM.	H	3	D	A;DC	C
T25791	**Evidence of record entry destruction event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25792	**Evidence of record entry destruction event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25793	**Evidence of record entry destruction event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25794	**Evidence of record entry destruction event - capture archive identifier** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25795	**Evidence of record entry destruction event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25796	**Evidence of record entry destruction event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25797	**Evidence of record entry destruction event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25798	**Evidence of record entry destruction event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.16.1 in EHR-S FM.	H	3	N/A	DC	C
T25799	**Evidence of record entry destruction event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.16.1 in EHR-S FM.	M	3	N/A	DC	C
T25800	**Evidence of record entry destruction event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.16.1 in EHR-S FM.	L	3	N/A	DC	C
T25085	**Deprecate/retract record entries as invalid** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.17 in EHR-S FM.	H	3	D	A;DC	C
T25086	**Deprecate/retract record entries as invalid - ability to deprecate/retract** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.17 in EHR-S FM.	H	3	N/A	DC	C

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T25087	**Evidence of record entry deprecation/retraction event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.17.1 in EHR-S FM.	H	3	D	A;DC	C
T25088	**Evidence of record entry deprecation event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25089	**Evidence of record entry deprecation event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25090	**Evidence of record entry deprecation event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25091	**Evidence of record entry deprecation event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25092	**Evidence of record entry deprecation event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25093	**Evidence of record entry deprecation event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25094	**Evidence of record entry deprecation event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25095	**Evidence of record entry deprecation event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.17.1 in EHR-S FM.	H	3	N/A	DC	C
T25096	**Evidence of record entry deprecation event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.17.1 in EHR-S FM.	L	3	N/A	DC	C
T25097	**Re-activate record entries** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.18 in EHR-S FM.	H	3	D	A;DC	C
T25098	**Re-activate record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.18 in EHR-S FM.	H	3	N/A	DC	C
T25099	**Evidence of re-activate record entry event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.18.1 in EHR-S FM.	H	3	D	A;DC	C
T25100	**Evidence of re-activate record entry event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25101	**Evidence of re-activate record entry event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C

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T25102	**Evidence of re-activate record entry event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25103	**Evidence of re-activate record entry event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25104	**Evidence of re-activate record entry event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25105	**Evidence of re-activate record entry event - capture Trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25106	**Evidence of re-activate record entry event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25107	**Evidence of re-activate record entry event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25108	**Evidence of re-activate record entry event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.18.1 in EHR-S FM.	H	3	N/A	DC	C
T25109	**Merge record entries (2 or more instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.19 in EHR-S FM.	H	2	D	A;DC	C
T25110	**Merge record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.19 in EHR-S FM.	H	2	N/A	DC	C
T25111	**Maintain evidence of record entry merge event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.19.1 in EHR-S FM.	H	2	D	A;DC	C
T25112	**Evidence of merge event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25113	**Evidence of merge event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25114	**Evidence of merge event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25115	**Evidence of merge event - source identifier** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25116	**Evidence of merge event - target identifier** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25117	**Evidence of merge event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25118	**Evidence of merge event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C

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T25119	**Evidence of merge event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25120	**Evidence of merge event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25121	**Evidence of merge event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.19.1 in EHR-S FM.	H	2	N/A	DC	C
T25122	**Evidence of merge event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.19.1 in EHR-S FM.	L	2	N/A	DC	C
T25123	**Unmerge previously merged record entries (2 or more instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.20 in EHR-S FM.	L	2	D	A;DC	C
T25124	**Unmerge record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.20 in EHR-S FM.	H	2	N/A	DC	C
T25125	**Maintain evidence of record entry unmerge event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.20.1 in EHR-S FM.	H	2	D	A;DC	C
T25126	**Evidence of unmerge event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25127	**Evidence of unmerge event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25128	**Evidence of unmerge event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25129	**Evidence of unmerge event - source identifier** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25130	**Evidence of unmerge event - target identifier** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25131	**Evidence of unmerge event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25132	**Evidence of unmerge event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25133	**Evidence of unmerge event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C
T25134	**Evidence of unmerge event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.20.1 in EHR-S FM.	H	2	N/A	DC	C

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T25135	**Evidence of unmerge event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.20.1 in EHR-S FM.	M	2	N/A	DC	C
T25136	**Evidence of unmerge event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.20.1 in EHR-S FM.	L	2	N/A	DC	C
T25137	**Link record entries (2 or more instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.21 in EHR-S FM.	H	3	D	A;DC	C
T25138	**Link record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.21 in EHR-S FM.	H	3	N/A	DC	C
T25139	**Maintain evidence of record entry link event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.21.1 in EHR-S FM.	H	3	D	A;DC	C
T25140	**Evidence of link event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25141	**Evidence of link event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25142	**Evidence of link event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25143	**Evidence of link event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25144	**Evidence of link event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25145	**Evidence of link event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25146	**Evidence of link event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25147	**Evidence of link event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.21.1 in EHR-S FM.	M	3	N/A	DC	C
T25148	**Evidence of link event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.21.1 in EHR-S FM.	L	3	N/A	DC	C
T25149	**Unlink previously linked record entries (2 or more instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.22 in EHR-S FM.	H	3	D	A;DC	C
T25150	**Unlink record entries – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.22 in EHR-S FM.	H	3	N/A	DC	C
T25151	**Maintain evidence of record entry unlink event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.22.1 in EHR-S FM.	H	3	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25152	**Evidence of unlink event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25153	**Evidence of unlink event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25154	**Evidence of unlink event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25155	**Evidence of unlink event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25156	**Evidence of unlink event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25157	**Evidence of unlink event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25158	**Evidence of unlink event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25159	**Evidence of unlink event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25160	**Evidence of unlink event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.22.1 in EHR-S FM.	M	3	N/A	DC	C
T25161	**Hold record entries in an unaltered state for legal hold period (1 or more instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.23 in EHR-S FM.	H	3	D	A;DC	C
T25162	**Place records on legal hold – provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.23 in EHR-S FM.	H	3	N/A	DC	C
T25163	**Maintain evidence of record entry legal hold event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.23.1 in EHR-S FM.	H	3	D	A;DC	C
T25164	**Evidence of legal hold event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25165	**Evidence of legal hold event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25166	**Evidence of legal hold event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25167	**Evidence of legal hold event - record identifier set** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25168	**Evidence of legal hold event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25169	**Evidence of legal hold event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25170	**Evidence of legal hold event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25171	**Evidence of legal hold event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25172	**Evidence of legal hold event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.23.1 in EHR-S FM.	M	3	N/A	DC	C
T25173	**Evidence of legal hold event - location placed** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.1.23.1 in EHR-S FM.	L	3	N/A	DC	C
T25174	**Evidence of legal hold event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 11 of function RI.1.1.23.1 in EHR-S FM.	L	3	N/A	DC	C
T25175	**Release legal hold on record entries (1 or more instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.24 in EHR-S FM.	H	3	D	A;DC	C
T25176	**Release records from legal hold - provide ability** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.24 in EHR-S FM.	H	3	N/A	DC	C
T25177	**Maintain evidence of record entry legal hold removal event** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.1.24.1 in EHR-S FM.	H	3	D	A;DC	C
T25178	**Evidence of release from legal hold event - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.1.24.1 in EHR-S FM.	M	3	N/A	DC	C
T25179	**Evidence of release from legal hold event - capture organisation** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.1.24.1 in EHR-S FM.	M	3	N/A	DC	C
T25180	**Evidence of release from legal hold event - capture patient** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.1.24.1 in EHR-S FM.	H	3	N/A	DC	C
T25181	**Evidence of release from legal hold event - capture user** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.1.24.1 in EHR-S FM.	H	3	N/A	DC	C
T25182	**Evidence of release from legal hold event - capture system** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.1.24.1 in EHR-S FM.	H	3	N/A	DC	C
T25183	**Evidence of release from legal hold event - capture trigger** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.1.24.1 in EHR-S FM.	M	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25184	**Evidence of release from legal hold event - capture date/time** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.1.24.1 in EHR-S FM.	H	3	N/A	DC	C
T25185	**Evidence of release from legal hold event - capture location** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.1.24.1 in EHR-S FM.	M	3	N/A	DC	C
T25186	**Evidence of release from legal hold event - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.1.24.1 in EHR-S FM.	L	3	N/A	DC	C
T25187	**Manage/persist record entries (multiple instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.2.1 in EHR-S FM.	H	3	D	A;DC	C
T25188	**Manage record entries - persistence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25189	**Manage record entries - retention period** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25190	**Manage record entries - include metadata** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25191	**Manage record entries - include signatures** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25192	**Manage record entries - standard and non-standard content** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25193	**Manage record entries - structured and unstructured data** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25194	**Manage record entries - text and multimedia content** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.2.1 in EHR-S FM.	M	3	N/A	DC	C
T25195	**Manage record entries - clinical and business contexts** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.1.2.1 in EHR-S FM.	M	3	N/A	DC	C
T25196	**Manage record entries - include context data** The Contractor confirms that the solution shall comply with conformance criteria 9 of function RI.1.2.1 in EHR-S FM.	M	3	N/A	DC	C
T25197	**Manage record entries - ability to extract all available elements** The Contractor confirms that the solution shall comply with conformance criteria 10 of function RI.1.2.1 in EHR-S FM.	M	3	N/A	DC	C
T25198	**Manage record entries - manage data across multiple facilities** The Contractor confirms that the solution shall comply with conformance criteria 17 of function RI.1.2.1 in EHR-S FM.	M	3	N/A	DC	C
T25199	**Manage record entries - render new information** The Contractor confirms that the solution shall comply with conformance criteria 18 of function RI.1.2.1 in EHR-S FM.	L	3	N/A	DC	C
T25200	**Manage record entries - notification of new information** The Contractor confirms that the solution shall comply with conformance criteria 19 of function RI.1.2.1 in EHR-S FM.	L	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25201	**Manage/preserve record entries for legal hold (multiple instances)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.2.2 in EHR-S FM.	H	3	D	A;DC	C
T25202	**Manage legal hold - conform to RI.1.1.23** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.2.2 in EHR-S FM.	H	3	N/A	DC	C
T25203	**Manage legal hold - conform to RI.1.1.24** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.2.2 in EHR-S FM.	H	3	N/A	DC	C
T25204	**Manage legal hold - control access** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.2.2 in EHR-S FM.	H	3	N/A	DC	C
T25205	**Manage legal hold - maintain beyond retention** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.2.2 in EHR-S FM.	H	3	N/A	DC	C
T25206	**Manage legal hold - capture reason** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.2.2 in EHR-S FM.	M	3	N/A	DC	C
T25207	**Manage legal hold - render notice** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.2.2 in EHR-S FM.	M	3	N/A	DC	C
T25208	**Manage legal hold - extract entries on legal hold** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.2.2 in EHR-S FM.	L	3	N/A	DC	C
T25209	**Manage record entries during the various states of completion** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.3.1 in EHR-S FM.	H	3	D	A;DC	C
T25210	**Manage record pending state - manage time period in pending state** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.3.1 in EHR-S FM.	M	3	N/A	DC	C
T25211	**Manage record pending state – display pending state** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25212	**Manage record pending state - update status to complete or discard** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.3.1 in EHR-S FM.	M	3	N/A	DC	C
T25213	**Manage record pending state - administrative closure** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.1.3.1 in EHR-S FM.	M	3	N/A	DC	C
T25214	**Manage record pending state - datetime** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25221	**Manage successive record entry versions over time** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.3.3 in EHR-S FM.	H	3	D	A;DC	C
T25222	**Manage succession and version control – new versions** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.3.3 in EHR-S FM.	M	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25223	**Manage succession and version control – update and save as new version** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25224	**Manage succession and version control – date time of version** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25225	**Manage succession and version control – chronological version order** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25226	**Remove a record entry from view if it is deemed erroneous and cite the reason** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.3.4 in EHR-S FM.	H	3	D	A;DC	C
T25227	**Manage record entry retraction – hide from view** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25228	**Manage record entry retraction – notify users** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.3.4 in EHR-S FM.	M	3	N/A	DC	C
T25229	**Manage record entry retraction – capture reason** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.3.4 in EHR-S FM.	M	3	N/A	DC	C
T25230	**Manage record entry retraction – conform to RI.1.1.17** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25215	**Manage record entries amended, corrected or augmented after finalisation (or signature/attestation)** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.3.2 in EHR-S FM.	H	3	D	A;DC	C
T25216	**Manage amended, corrected and augmented state – ability to update** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25217	**Manage amended, corrected and augmented state – tag update** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25218	**Manage amended, corrected and augmented state – capture, maintain and render** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25219	**Manage amended, corrected and augmented state – present versions** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25220	**Manage amended, corrected and augmented state – manage all versions** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.3.2 in EHR-S FM.	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25231	**Manage record completeness** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.1.4 in EHR-S FM.	H	3	D	A;DC	C
T25232	**Manage record completeness – manage timeframe for completion** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.1.4 in EHR-S FM.	H	3	N/A	DC	C
T25233	**Manage record completeness – tag patient for completeness status** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.1.4 in EHR-S FM.	M	3	N/A	DC	C
T25234	**Manage record completeness – report completeness status** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.1.4 in EHR-S FM.	M	3	N/A	DC	C
T25235	**Manage record completeness - visual indicator** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.1.4 in EHR-S FM.	M	3	N/A	DC	C
T25236	**Manage record completeness - reminder to clinicians** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.1.4 in EHR-S FM.	M	3	N/A	DC	C
T25237	**Manage record synchronisation** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.2 in EHR-S FM.	H	3	D	A;DC	C
T25238	**Manage record synchronisation - conform to TI.5.1** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.2 in EHR-S FM.	H	3	N/A	DC	C
T25239	**Manage record synchronisation - conform to TI.3** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.2 in EHR-S FM.	M	3	N/A	DC	C
T25240	**Manage record synchronisation - link to external** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.2 in EHR-S FM.	M	3	N/A	DC	C
T25241	**Manage record synchronisation - store location of each record entry** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.2 in EHR-S FM.	M	3	N/A	DC	C
T25242	**Manage record synchronisation – date time across systems** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.2 in EHR-S FM.	H	3	N/A	DC	C
T25243	**Manage record archive and restore** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function RI.3 in EHR-S FM.	H	3	D	A;DC	C
T25244	**Manage record archive and restore - ability to archive and restore** The Contractor confirms that the solution shall comply with conformance criteria 1 of function RI.3 in EHR-S FM.	H	3	N/A	DC	C
T25245	**Manage record archive and restore – tag/untag as archived** The Contractor confirms that the solution shall comply with conformance criteria 2 of function RI.3 in EHR-S FM.	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25246	**Manage record archive and restore – metadata** The Contractor confirms that the solution shall comply with conformance criteria 3 of function RI.3 in EHR-S FM.	H	3	N/A	DC	C
T25247	**Manage record archive and restore – target destination** The Contractor confirms that the solution shall comply with conformance criteria 4 of function RI.3 in EHR-S FM.	M	3	N/A	DC	C
T25248	**Manage record archive and restore – tag records to be archived** The Contractor confirms that the solution shall comply with conformance criteria 5 of function RI.3 in EHR-S FM.	M	3	N/A	DC	C
T26048	**Manage record archive and restore – schedule for archive and restore** The Contractor confirms that the solution shall comply with conformance criteria 6 of function RI.3 in EHR-S FM.	M	3	N/A	DC	C
T25249	**Manage record archive and restore – selective restore** The Contractor confirms that the solution shall comply with conformance criteria 7 of function RI.3 in EHR-S FM.	L	3	N/A	DC	C
T25250	**Manage record archive and restore – archive parameters** The Contractor confirms that the solution shall comply with conformance criteria 8 of function RI.3 in EHR-S FM.	H	3	N/A	DC	C

3.4 APPLICATION ARCHITECTURE

In this Chapter, the application architecture of the solution will be evaluated including how it is layered and how the interaction between the different components in the solution is managed.

The solution will support a wide range of users with a diverse clinical background and different needs with regards to functionality. Examples:

- Patient

- Hospital personnel

- Home care personnel

- Nursing home personnel

- General practitioner

- Specialist practitioners in a wide range of specialties

The architecture needs to support different user interfaces adapted to specific needs, and at the same time common functionality and information should be shared.

The needs for the different user groups are also likely to evolve during the operational period of the solution due to changes in population demographics, new clinical methods, new medical technologies, changing organisations and changing government regulations in the sector.

This implies that the solution needs to be built on a highly adaptable application architecture with several user interface options that can be adapted to the different user needs, and configurable business- and workflow rules.

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Figure 6 illustrates some of the expectations of the application architecture.
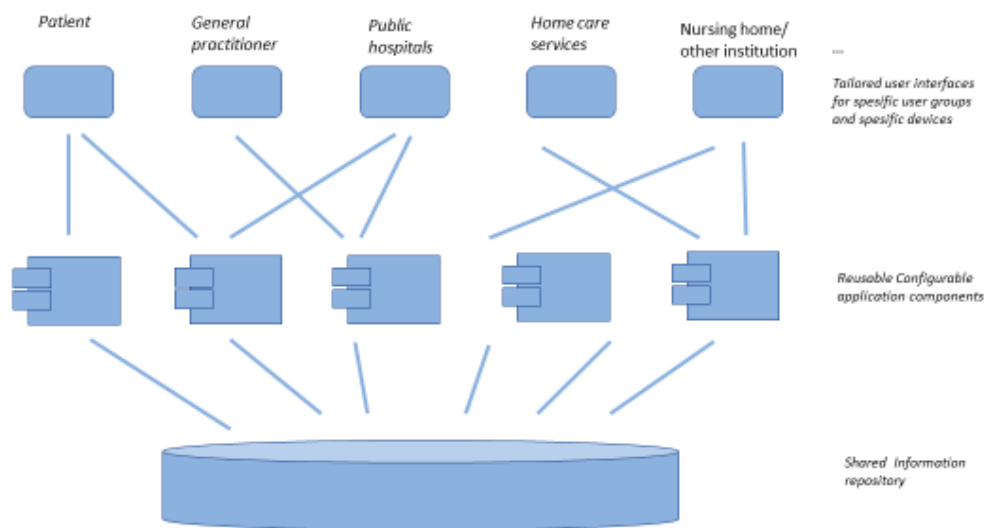

Figure 6 - Application architecture

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25251	**Overall application architecture** The Contractor shall in T Appendix 2C1 describe the overall application architecture. Limit the description to a maximum of 10 pages.	H	3	D	A;DC	C
T25252	**Functional modularisation** The Contractor shall in T Appendix 2C1 describe and list modularisation of functionality.	H	3	D	A;DC	C
T25253	**Business rules management** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.6 in EHR-S FM.	H	3	D	A;DC	C
T25254	**Business rules management - ability to manage** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.6 in EHR-S FM.	H	3	N/A	DC	C
T25255	**Business rules management - enter, import, receive** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25256	**Business rules management - maintain** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25257	**Business rules management - tag as inactive** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25258	**Business rules management - render** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25259	**Business rules management - diagnostic decision support rules** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25803	**Business rules management - workflow control rules** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25260	**Business rules management - access rules** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25261	**Business rules management - other rules** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.6 in EHR-S FM.	M	3	N/A	DC	C
T25262	**Business rules management - determine system behaviour** The Contractor confirms that the solution shall comply with conformance criteria 10 of function TI.6 in EHR-S FM.	H	3	N/A	DC	C
T25263	**Workflow management** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.7 in EHR-S FM.	H	3	D	A;DC	C
T25264	**Workflow management - ability to manage rules** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.7 in EHR-S FM.	H	3	N/A	DC	C
T25265	**Workflow management - workflow assignments based on business rules** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.7 in EHR-S FM.	M	3	N/A	DC	C
T25266	**Workflow management - manage personnel list for workflow queues** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25267	**Workflow management - exchange information to manage human resources** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25268	**Workflow management - exchange information to manage workflow queues** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25269	**Workflow management - exchange workflow related information** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25270	**Workflow management - render notifications** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25271	**Workflow management - render updated priority tasks** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25272	**Workflow management - render updates on tasks** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25273	**Workflow management - update assignments** The Contractor confirms that the solution shall comply with conformance criteria 10 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25274	**Workflow management - notification of update** The Contractor confirms that the solution shall comply with conformance criteria 11 of function TI.7 in EHR-S FM.	M	3	N/A	DC	C
T25275	**Workflow management - include update details in notification** The Contractor confirms that the solution shall comply with conformance criteria 12 of function TI.7 in EHR-S FM.	L	3	N/A	DC	C
T25276	**Workflow management - transmit workflow queue update to external system** The Contractor confirms that the solution shall comply with conformance criteria 13 of function TI.7 in EHR-S FM.	M	3	N/A	DC	C
T25277	**Workflow management - receive workflow queue update from external system** The Contractor confirms that the solution shall comply with conformance criteria 14 of function TI.7 in EHR-S FM.	M	3	N/A	DC	C

3.5 TECHNOLOGY ARCHITECTURE

The Customer will provide a technical infrastructure that continuously adapts new updated and robust technology. This means adaption of private or public cloud platforms- and infrastructure services. Thus, the solutions ability to utilise modern platform and infrastructure services (PaaS and IaaS) will be important.

In this Chapter, the Contractor is asked to describe the solution's technology architecture and any dependencies to specific technology architectures. The kind of technology the solution is founded on will be evaluated to assess challenges this will impose on the current technology architecture.

High availability is important due to the scope of the solution and the critical nature of the health sector. The sector is heavily dependent on 24/7 operations and this will be reflected in the requirements for the solution. The increasing number of users will increase the information volume and thus it is important that all components are scalable. Additional performance requirements should be met with added computing capacity, memory and storage.

Figure 7 below illustrates redundancy and scalability requirements on all technical components including all servers and network. The technical infrastructure is outside the scope of this procurement.
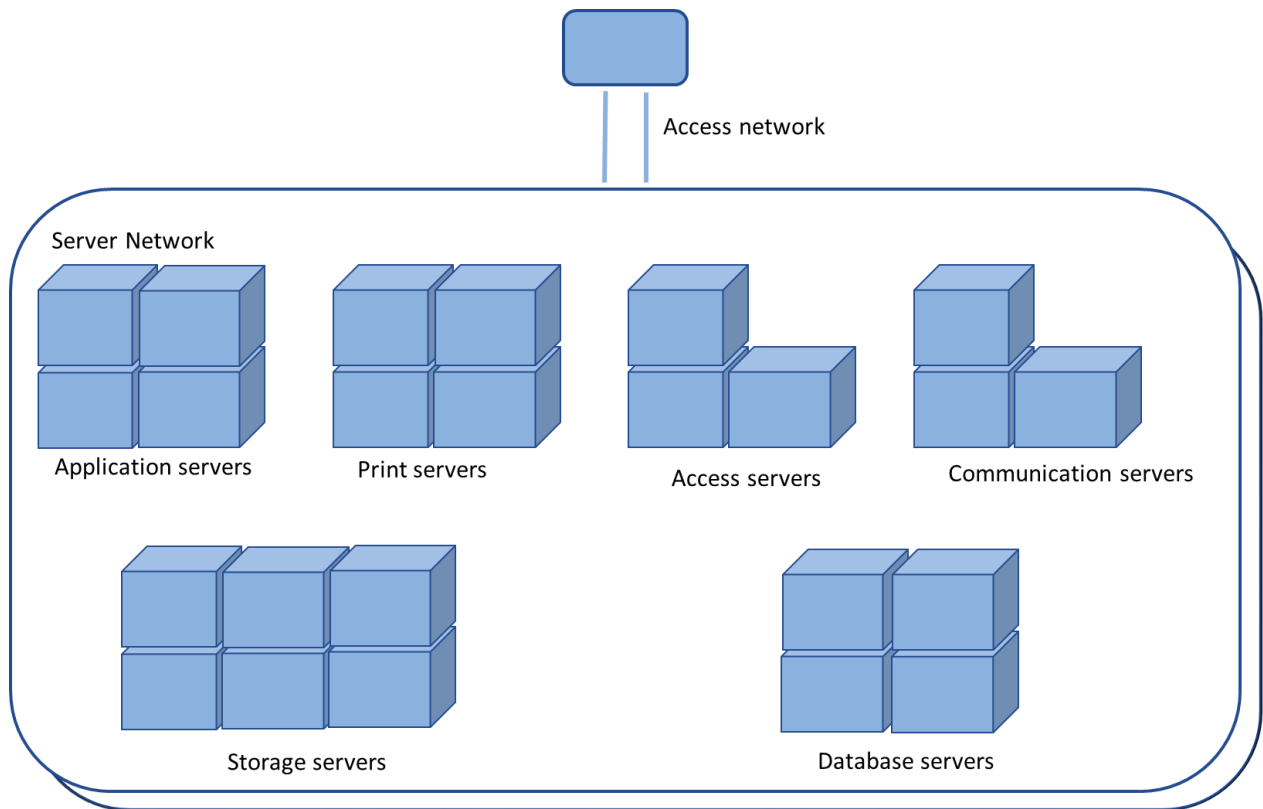
Figure 7 - Technology architecture

On the client side the solution will be accessed from several thousand of clients of different types on different networks. Devices might be PCs, tablets and phones, and during the lifespan of the solution it is expected that new type of clients will emerge.

Today the network clients range from standardised setups under the control of HEMIT to municipal PCs under the control of different IT operators to the patients' devices. During the lifespan of the solution concepts like "bring your own device" and similar might be more common in the sector.

Devices will be both stationary, mobile within organisations and mobile on public networks. Home care personnel is an example of public network users.

The application delivery model software as a service (SaaS) with community cloud as deployment model will be important for groups of users.

The solution need to support different clients as illustrated in Figure 8 below:

Figure 8 - Clients to support

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

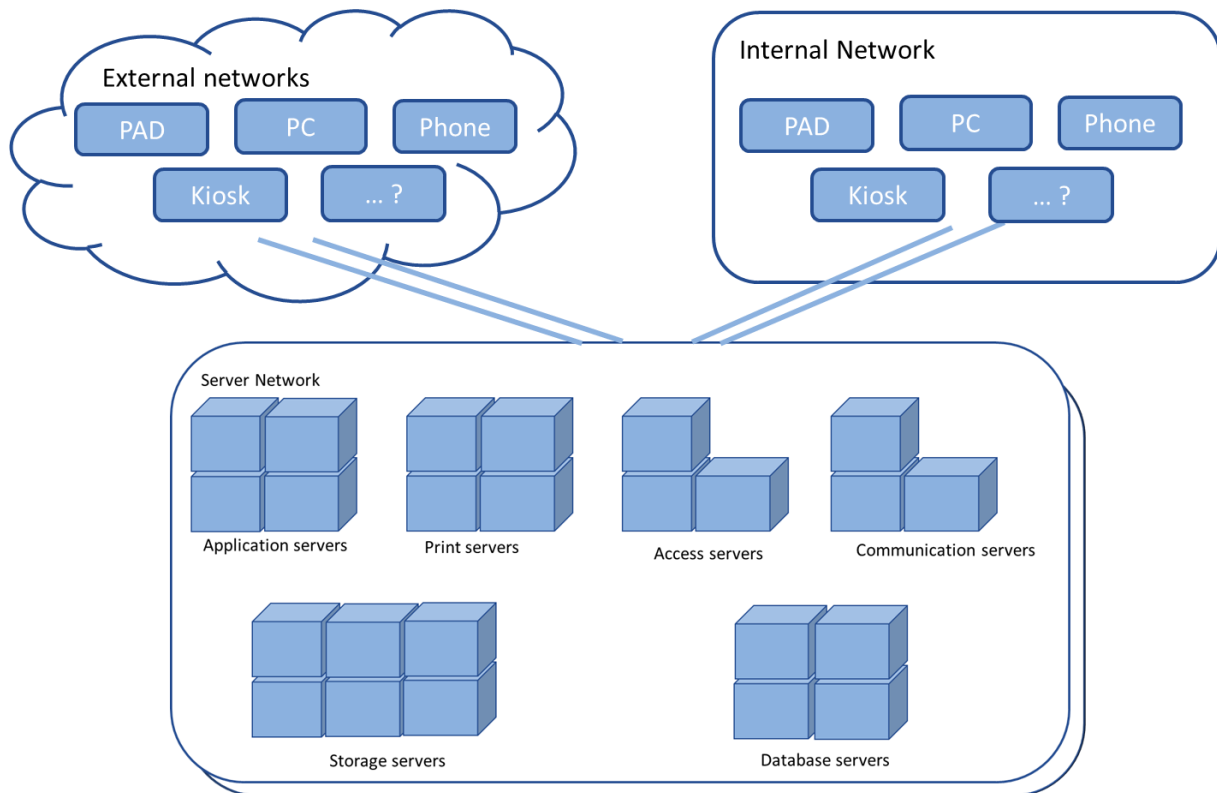| No.	Requirement	Imp	ToF	D	Doc	ToReq
T25279	**Overall technology architecture** The Contractor shall in T Appendix 2C1 describe the solution's technology architecture.	H	3	D	A;DC	C
T25281	**Technology architecture roadmap** The Contractor shall in T Appendix 2C1 describe the roadmap for major changes in the technology platform.	H	3	D	A;DC	C
T25282	**Technology architecture - failover** The Contractor shall in T Appendix 2C1 describe the failover solution for all technical components in the solution.	H	3	D	A;DC	C
T25283	**Technology architecture scalability** The Contractor shall in T Appendix 2C1 describe how technological components in the solution can scale to meet increased performance and data volume needs.	H	3	D	A;DC	C
T25284	**Reporting, searching and filtering of data** The Contractor shall in T Appendix 2C1 describe how reporting, searching and filtering of data in the solution can be performed without affecting the performance.	H	3	D	A;DC	C
T25285	**Technology architecture upgrade architecture** The Contractor shall in T Appendix 2C1 describe how the components in the solution can be upgraded without or with limited planned downtime.	H	3	D	A;DC	C
T25286	**Technology architecture for clients** The Contractor shall in T Appendix 2C1 describe how the solution's technology architecture supports different types of clients.	H	3	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25287	**Simultaneously record update** The Contractor shall in T Appendix 2C1 describe how the solution manages simultaneously updates of the same **EHR** record.	H	3	D	A;DC	C

3.6 SCENARIOS AND REPORTING EXAMPLES

In the Norwegian health service, there are many reporting requirements from the health authorities. The technical aspects of this reporting will be established through the regional **enterprise service bus (ESB)**, which will perform necessary format conversion and addressing. The information that shall be reported must be present in the solution and be possible to extract through the solution's integration interfaces.

In addition, this Chapter includes requirements for some of the technical aspects of four user scenarios described in *T Appendix 1B, Chapter 3.3*.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25288	**Scenario: Reporting to a new health register** The Contractor shall in T Appendix 2C1 describe how the solution manages the technical aspects of establishing the reporting functionality described in this scenario. Cf. *T Appendix 1B, Chapter 3.3.2*	H	3	D	A;DC	C
T25289	**Scenario: Changes in the Norwegian national identity number** The Contractor shall in T Appendix 2C1 describe how the solution manages the technical aspects of performing changes to the **national identity number** described in this scenario. Cf. *T Appendix 1B, Chapter 3.3.3*	H	3	D	A;DC	C
T25290	**Scenario: Merge two or more municipalities** The Contractor shall in T Appendix 2C1 describe how the solution manages the technical aspects of performing changes because of merging two or more municipalities as described in this scenario. Cf. *T Appendix 1B, Chapter 3.3.4*	H	3	D	A;DC	C
T25291	**Scenario: Transfer services from specialist health service to primary health service** The Contractor shall in T Appendix 2C1 describe how the solution manages the technical aspects of performing changes as a result of transferring services from specialist health service to primary health service as described in this scenario. Cf. *T Appendix 1B, Chapter 3.3.5*	H	3	D	A;DC	C

3.6.1 Examples of statutory reporting

In this Chapter, the solution's ability to manage some examples of statutory reporting will be evaluated. Three examples out of many more are chosen, since these represent the most important reports to submit to the health authorities.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25784	**NPR- individbasert pleie- og omsorgssystem (IPLOS) reporting** The Contractor shall in T Appendix 2C1 describe how the solution manages the aspects of capturing and making the necessary information available through standard interfaces to fulfil the requirements for the **IPLOS** reporting. Cf. *https://ehelse.no/iplos-funksjonell-kravspesifikasjon* and *https://ehelse.no/iplos-teknisk-kravspesifikasjon*. Standard interfaces refers to the interfaces that the solution provides, not the reporting format of the specific report.	H	3	D	A;DC	C
T25785	**NPR- ISF reporting** The Contractor shall in T Appendix 2C1 describe how the solution manages the aspects of capturing and making the necessary information available through standard interfaces to fulfil the requirements for the NPR-ISF reporting. Cf. *https://ehelse.no/innrapportering-av-data-fra-innsatsstyrt-finansiering-isf-v5202*. Standard interfaces refers to the interfaces that the solution provides, not the reporting format of the specific report.	H	3	D	A;DC	C
T25786	**NPR-BKM reporting** The Contractor shall in T Appendix 2C1 describe how the solution manages the aspects of capturing and making the necessary information available through standard interfaces to fulfil the requirements for the NPR-***BKM reporting***. Cf. *https://ehelse.no/npr-behandlerkravmelding-npr-bkm*. Standard interfaces refers to the interfaces that the solution provides, not the reporting format of the specific report.	H	3	D	A;DC	C

4 INTEGRATION

The Customer is following the enterprise architecture strategy, guiding all IT systems to be low-coupled through an ***enterprise service bus (ESB)***. The ESB shall emphasise on utilising international and industrial interchange standards to structure and optimise interactions between the existing and the future IT system portfolio.

Figure 9 below shows a conceptual model of the ESB.

In this Chapter, the Contractor is asked to describe how the offered solution integrates with a complex IT platform, where requests and process calls are initiated both from internal and external IT systems.
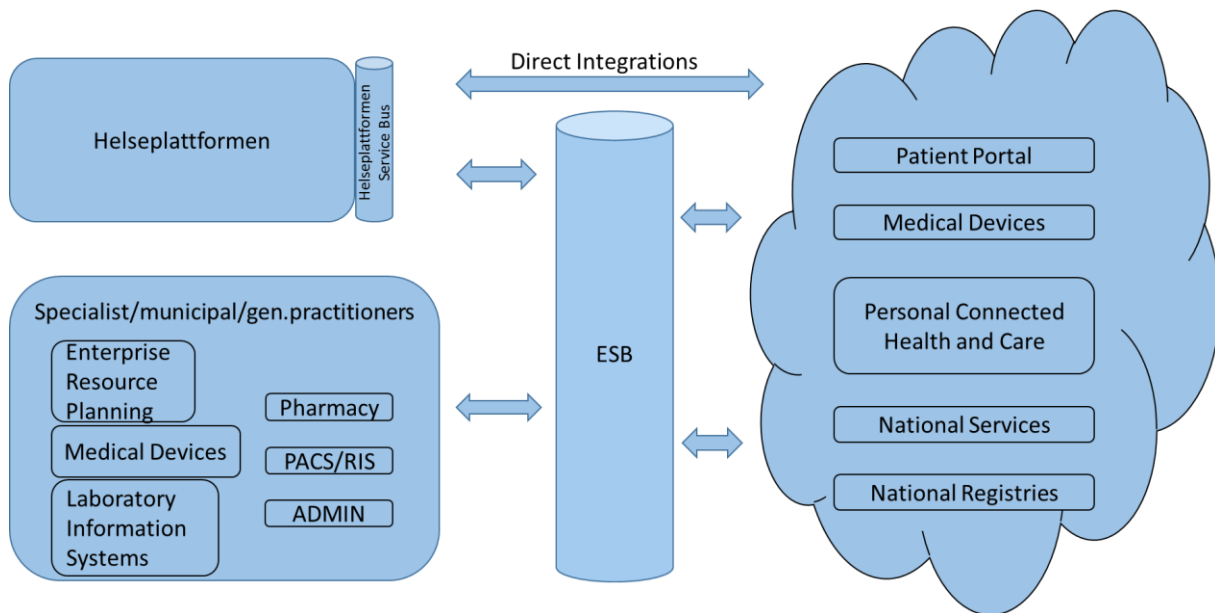
Figure 9 - Service bus architecture

4.1 INTEGRATION ARCHITECTURE

The Customer's integration architecture is built on principles of service oriented architecture. The ESB is a strategic component in the integration between various systems and environments, and provides integration architecture benefits like reusability, encapsulation, distribution, and more.

The Customer emphasises the use of international interchange standards and the integration of the IT system portfolio on an ESB.

The integration architecture is described with the use of an enterprise service bus (ESB), however it is acknowledged that some medical devices and possibly also personal connected health care (PCHC) and other integrations for special purposes, should be integrated directly with the solutions outside the ESB, especially information that is critical in its nature. These direct integrations could be operational through built in functions in the solution or through third party products.

In this Chapter, the Contractor is asked to describe the integration architecture in the offered solution, the integration technology and standards utilised to integrate the IT system portfolio.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25299	**Integration architecture** The Contractor shall in T Appendix 2C1 describe the integration architecture in the solution.	H	3	D	A;DC	C
T25278	**Information consistency across integrated systems** The Contractor shall in T Appendix 2C1 describe how information consistency can be assured across integrated systems.	H	3	D	A;DC	C
T26425	**Application client integration** The Contractor shall in T Appendix 2C1 describe the opportunities	H	3	D	A;DC	C

T Appendix 1C Technical Requirements v1.0

No.	Requirement	Imp	ToF	D	Doc	ToReq
	and possibilities for application client integration. Limit the description to a maximum of 5 pages.					
T26426	**Application client integration authentication and authorisation** The Contractor shall in T Appendix 2C1 describe the authentication and authorisation mechanisms for application client integration	H	3	D	A;DC	C
T25300	**Application interchange standards** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.1.1 in EHR-S FM.	H	3	D	A;DC	C
T25301	**Application interchange standards - receive and transmit information using interchange standards** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25302	**Application interchange standards - seamlessly perform interchange operations with other systems** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.5.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25303	**Application interchange standards - standard terminology and terminology services** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.5.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25304	**Application interchange standards - exchange information seamlessly with other systems using an explicit formal information model** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.5.1.1 in EHR-S FM.	M	3	N/A	DC	C
T25305	**Application interchange standards - exchange information with other systems by using an explicit formal information model** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.5.1.1 in EHR-S FM.	L	3	N/A	DC	C
T25306	**Application interchange standards - receive and transmit data using standard, coded terminology** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.5.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25307	**Application interchange standards - export data using an explicit and formal information model** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.5.1.1 in EHR-S FM.	M	3	N/A	DC	C
T25308	**Application interchange standards - import data using an explicit and formal information model** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.5.1.1 in EHR-S FM.	M	3	N/A	DC	C
T25309	**Application interchange standards - ability to harmonise data with another system** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.5.1.1 in EHR-S FM.	M	3	N/A	DC	C
T25310	**Application interchange standards - ability to determine information transmitted has been successfully received** The Contractor confirms that the solution shall comply with conformance criteria 10 of function TI.5.1.1 in EHR-S FM.	M	3	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25311	**Application interchange standards - log record of each data exchange (transaction)** The Contractor confirms that the solution shall comply with conformance criteria 11 of function TI.5.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25312	**Structured-document interchange standards** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.1.2 in EHR-S FM.	H	3	D	DC	C
T25313	**Structured-document interchange standards - support the management of structured documents** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.1.2 in EHR-S FM.	H	3	N/A	DC	C
T25314	**Structured-message interchange standards** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.1.3 in EHR-S FM.	H	3	D	A;DC	C
T25315	**Structured-message interchange standards - manage structured messages** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.1.3 in EHR-S FM.	H	3	N/A	DC	C
T25316	**Interchange standards versioning and maintenance** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.2 in EHR-S FM.	H	3	D	A;DC	C
T25317	**Interchange standards versioning and maintenance - different versions of interchange standards** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.2 in EHR-S FM.	H	3	N/A	DC	C
T25318	**Interchange standards versioning and maintenance - interchange standard evolves** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.5.2 in EHR-S FM.	H	3	N/A	DC	C
T25319	**Interchange standards versioning and maintenance - ability to deprecate an interchange standard** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.5.2 in EHR-S FM.	M	3	N/A	DC	C
T25320	**Interchange standards versioning and maintenance - previously-supported versions of an interoperability standard** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.5.2 in EHR-S FM.	M	3	N/A	DC	C
T25321	**Standards-based application integration** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.3 in EHR-S FM.	H	3	D	A;DC	C
T25322	**Standards-based application integration - integrate applications in a standards-based fashion** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.3 in EHR-S FM.	H	3	N/A	DC	C
T25323	**Standards-based application integration - integrate user (or system) authentication for the purposes application context management** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.5.3 in EHR-S FM.	M	3	N/A	DC	C
T25324	**Interchange agreements** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.4 in EHR-S FM.	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25325	**Interchange agreements - exchange information with interchange agreement partners** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.4 in EHR-S FM.	H	3	N/A	DC	C
T25326	**Interchange agreements - interchange agreement description** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.5.4 in EHR-S FM.	M	3	N/A	DC	C
T25327	**Interchange agreements - analyse and present interchange service descriptions and capabilities** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.5.4 in EHR-S FM.	L	3	N/A	DC	C
T25328	**Interchange agreements - interchange service descriptions and capabilities** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.5.4 in EHR-S FM.	L	3	N/A	DC	C
T25329	**Interchange agreements - ability to manage interchange agreements established with interchange agreement partners** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.5.4 in EHR-S FM.	M	3	N/A	DC	C
T25330	**System integration** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.5.5 in EHR-S FM.	H	3	D	A;DC	C
T25331	**System integration - integrate the EHR system with other systems** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.5.5 in EHR-S FM.	H	3	N/A	DC	C
T25332	**System integration - ability to exchange discrete information** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.5.5 in EHR-S FM.	M	3	N/A	DC	C
T25333	**System integration - ability to exchange clinical documents** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.5.5 in EHR-S FM.	M	3	N/A	DC	C
T25334	**System integration - exchange information with systems that are integrated with the EHR system using heuristics** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.5.5 in EHR-S FM.	L	3	N/A	DC	C

4.2 REQUIREMENTS FOR INTEGRATIONS

This Chapter aims to reveal the integration potential of the solution, including which APIs and protocols the solution offers and supports, and any restrictions that apply.

The evaluation will emphasise the use of international interchange standards for integrations.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25336	**Included interchange standards and APIs** The Contractor shall in T Appendix 2C1 describe which interchange standards and APIs that are included in the solution.	H	3	D	I;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25337	**Interchange standards and APIs not included** The Contractor shall in T Appendix 2C1 describe which interchange standards and APIs that are not included in the solution but are developed and can be acquired.	H	3	D	I;DC	C
T25338	**Information export to third party systems** The Contractor shall in T Appendix 2C1 describe how the solution supports information export to third party systems (e.g., Data warehouse).	H	3	D	A;DC	C
T25341	**Export information elements defined in the solution's information model** The Contractor confirms that the solution shall provide the ability to export any information element defined in the solution's information model to a third party system.	H	3	N/A	DC	C

4.3 MEDICAL DEVICE

The Customer integrates a wide portfolio of ***medical devices*** and uses the generated medical data in both patient diagnostics and treatment. Different medical devices support a variety of integrations, varying from manual, through dedicated, to standardised integrations. The objective is to fully integrate medical devices to exploit new opportunities created by rapid technology development. Standards like HL7, Continua, DICOM and HL7-FHIR are used to communicate with medical devices.

More detailed information about this topic is found in the Appendix for functional requirements, cf. *T Appendix 1B, Chapter 4.11*.

In this Chapter, the Contractor is asked to describe supported standardised and proprietary integration of medical devices and how to manage the import of data.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25342	**Medical devices support** The Contractor shall in T Appendix 2C1 describe which standards are used in integrations with medical devices.	H	3	D	A;DC	C
T25343	**Import of information written in foreign character sets** The Contractor shall in T Appendix 2C1 describe the capabilities offered for handling of data imports from external data sources with other character sets than Norwegian.	H	3	D	A;DC	C
T25344	**Import of information with diverging measuring units** The Contractor shall in T Appendix 2C1 describe the capabilities offered for handling of data imports from external data sources with diverging measuring units. E.g., centilitre (cl) per second versus millilitre (ml) per second.	H	3	D	A;DC	C
T25345	**Integration of new medical devices** The Contractor confirms that the offered solution shall exploit and support new medical device technologies in line with the technology development.	H	3	N/A	DC	C
T26427	**Medical devices direct integrations** The Contractor shall in T Appendix 2C1 describe all solutions for	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
	direct integration with medical devices. This applies to built-in functions in the solution or through third party products.					

4.4 PERSONAL CONNECTED HEALTH AND CARE (PCHC) TECHNOLOGY

The Customer is focused on exploiting the **PCHC** technology and improve the patient workflow processes, to achieve a more secure and efficient treatment and care for the patient. The objective is to, a larger extent, perform patient care in the patient's local environment, reducing logistic needs and improve patient satisfaction. The Customer assesses the PCHC technology as one of the most important fields for developing the future patient workflow processes.

In this Chapter, the Contractor is asked to describe relevant patient care scenarios and supported integrations/integration standards.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25346	**PCHC technology** The Contractor shall in T Appendix 2C1 describe relevant scenarios where the offered solution interacts with PCHC technology.	H	3	D	A;DC	C
T26049	**Render and maintain tracking information** The Contractor shall in T Appendix 2C1 describe how the solution can render and maintain tracking information from external tracking sources (e.g., GPS, RFID, WiFi).	M	3	D	A;DC	C
T25347	**PCHC technology integrations** The Contractor shall in T Appendix 2C1 describe the supported integrations with PCHC technology including supported standards.	M	3	D	A;DC	C
T26428	**PCHC direct integrations** The Contractor shall in T Appendix 2C1 describe all solutions or components for direct integration with PCHC technology. This applies to built-in functions in the solution or through third party products used in the solution.	M	3	D	A;DC	C

5 SECURITY

The Customer is obligated to be compliant with the **information security** laws and regulations that apply to the Norwegian health sector, thus processing sensitive patient information in a secure and appropriate manner. The objective is to secure sensitive patient information managed in digitalised processes throughout the patient lifecycle.

More information about this topic is found in *T Appendix 1B, Chapter 4.1*.

In this Chapter, the Contractor is asked to describe the security functionality implemented in the offered solution to

- Process sensitive patient information

- Declare the compliance with the Norwegian information security laws and regulations

- Describe the implemented backup and restore functionality

- Describe the holistic identity and access management and the handling of roles and duties assigned to clinical personnel

- Traceability/logging functionality

5.1 GENERAL REQUIREMENTS

The Customer adapts to the regulations described in the http://www.normen.no/, cf. *Appendix C6, Chapter 10.2, ID SG2*, to be compliant with the **information security** laws and regulations.

In this Chapter, the Contractor is asked to describe how the solution adapts to statutory regulations.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25355	**Code of conduct** The Contractor confirms adaption to the regulations described in *http://www.normen.no/*, cf. *Common Appendix 6, Chapter 10.2, ID SG2*. Factsheet 38 "System security requirements" can be used as a basis for the description. Please describe any deviation in T Appendix 2C1.	H	2	DX	DC	C

5.2 APPLICATION SECURITY

The Customer is implementing a service oriented architecture and procured applications will have to fit in. The objective is to implement holistic security mechanisms in the application portfolio, thus supporting secure consumer and supplier access to sensitive information.

In this Chapter, the Contractor is asked to describe the solution's ability to implement application-oriented information security mechanisms, such as proper end-to-end encryption, authentication and traceability.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25357	**End-to-end security** The Contractor shall in T Appendix 2C1 describe how end-to-end security is managed in the solution.	H	3	D	A;DC	C
T25358	**Secure data exchange** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.1.6 in EHR-S FM.	H	2	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25359	**Secure data exchange – secure all modes of EHR data exchange** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.1.6 in EHR-S FM.	H	2	N/A	DC	C
T25360	**Secure data exchange – secure data routing** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.1.6 in EHR-S FM.	H	2	N/A	DC	C
T25361	**Secure data exchange – de-identify data** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.1.6 in EHR-S FM.	M	2	N/A	DC	C
T25362	**Secure data exchange – encryption and decryption** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.1.6 in EHR-S FM.	H	2	N/A	DC	C
T25363	**Secure data exchange – encryption standards** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.1.6 in EHR-S FM.	H	2	N/A	DC	C
T25364	**Secure data exchange – acknowledgment sources** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.1.6 in EHR-S FM.	M	2	N/A	DC	C
T25365	**Secure data exchange – determine addresses** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.1.6 in EHR-S FM.	H	2	N/A	DC	C
T25366	**Secure data routing** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.1.7 in EHR-S FM.	H	2	D	A;DC	C
T25367	**Secure data routing – entity Authentication** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.1.7 in EHR-S FM.	H	2	N/A	DC	C
T25368	**Secure data routing – audit** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.1.7 in EHR-S FM.	H	2	N/A	DC	C
T25369	**Trusted information exchange environment** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.1.11 in EHR-S FM.	H	3	D	A;DC	C
T25370	**Manage information** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.1.11 in EHR-S FM.	M	3	N/A	DC	C

5.3 INFRASTRUCTURE SECURITY

The Customer is implementing a uniform technical infrastructure containing protective security services. The objective is to implement infrastructure security services that provide a seamless interaction with, and have minimal impact on, the IT system portfolio.

In this Chapter, the Contractor is asked to describe the solution's ability to utilise and run side by side with infrastructure security services.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25371	**Compatible antivirus software** The solution shall be compatible with the most common antivirus programs. The Contractor shall in T Appendix 2C1 specify which virus protection programs that are compatible with the solution, and any need for exclusions from real-time scanning.	H	3	D	A;DC	C
T25372	**Compatible with other software agents** The Contractor confirms that the solution shall provide the ability to operate simultaneously with locally installed antivirus solutions, local firewall and periodically updates of the client OS. Please describe any deviation in T Appendix 2C1.	H	3	DX	DC	C
T25373	**Known challenges with other security services** The Contractor shall in T Appendix 2C1 describe any known challenges related to other infrastructure security services and hardening of servers and clients.	H	3	D	A;DC	C
T25374	**Administrative privileges** The Contractor confirms that the solution shall provide the ability to run on the client without local administrative privileges. Please describe any deviation in T Appendix 2C1.	H	3	DX	DC	C

5.4 BACKUP AND RESTORE

The Customer is obliged to support a high availability access to the solution. The objective is to prevent inaccessibility by implementing a robust, general purpose and secure backup/restore service supplied by the technical infrastructure.

In this Chapter, the Contractor is asked to describe the solution's ability to backup and restore *EHR* system data, restore plans after incidents and the associated impact on the user availability.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25375	**Backup routine** The Contractor shall in T Appendix 2C1 describe the recommended backup routine for the solution.	H	3	D	A;DC	C
T25376	**Continuously available** The Contractor shall in T Appendix 2C1 describe how backup/restore and maintenance tasks can be performed without system interruption and without affecting the users.	H	3	D	A;DC	C
T25377	**Disaster recovery plan** The Contractor shall in T Appendix 2C1 describe the recommended plan for performing a recovery operation after a disaster situation.	H	3	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25378	**Database backup and recovery** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.8 in EHR-S FM.	H	2	D	A;DC	C
T25379	**Database backup and recovery - backup according to scope** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.8 in EHR-S FM.	H	2	N/A	DC	C
T25380	**Database backup and recovery – complete EHR system backup and recovery** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.8 in EHR-S FM.	H	2	N/A	DC	C
T25381	**Database backup and recovery – alternative backup methods** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.8 in EHR-S FM.	L	2	N/A	DC	C
T25382	**Database backup and recovery – backup EHR information according to a defined schedule** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.8 in EHR-S FM.	L	2	N/A	DC	C
T25383	**Database backup and recovery – backup EHR information concurrently with normal operation** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.8 in EHR-S FM.	H	2	N/A	DC	C
T25384	**Database backup and recovery – remote location** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.8 in EHR-S FM.	M	2	N/A	DC	C
T25385	**Database backup and recovery – more than one storage media** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.8 in EHR-S FM.	L	2	N/A	DC	C
T25386	**Database backup and recovery – backup encryption** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.8 in EHR-S FM.	L	2	N/A	DC	C

5.5 IDENTITY AND ACCESS MANAGEMENT

The Customer is planning to implement a holistic identity and access management service that streamlines the overall management of users, roles and access to the IT system portfolio as well as a single sign on functionality by utilising secure login/signature mechanisms.

The objective is to implement a secure and user friendly login functionality for all types of users and roles accessing the new solution.

Figure 10 shows how access management through an integration with HR systems can be implemented and how users are automatically activated and de-activated. The integration will be performed by the identity manager interacting with the solution.

In this Chapter, the Contractor is asked to describe the solution's ability to authenticate and grant authorisations to different types of users. In addition, the Customer is interested in how role models are implemented and used to provide the users with the right information, to the right patient, at the right time and the use of administrative rights to reveal privileges needed to support the solution.
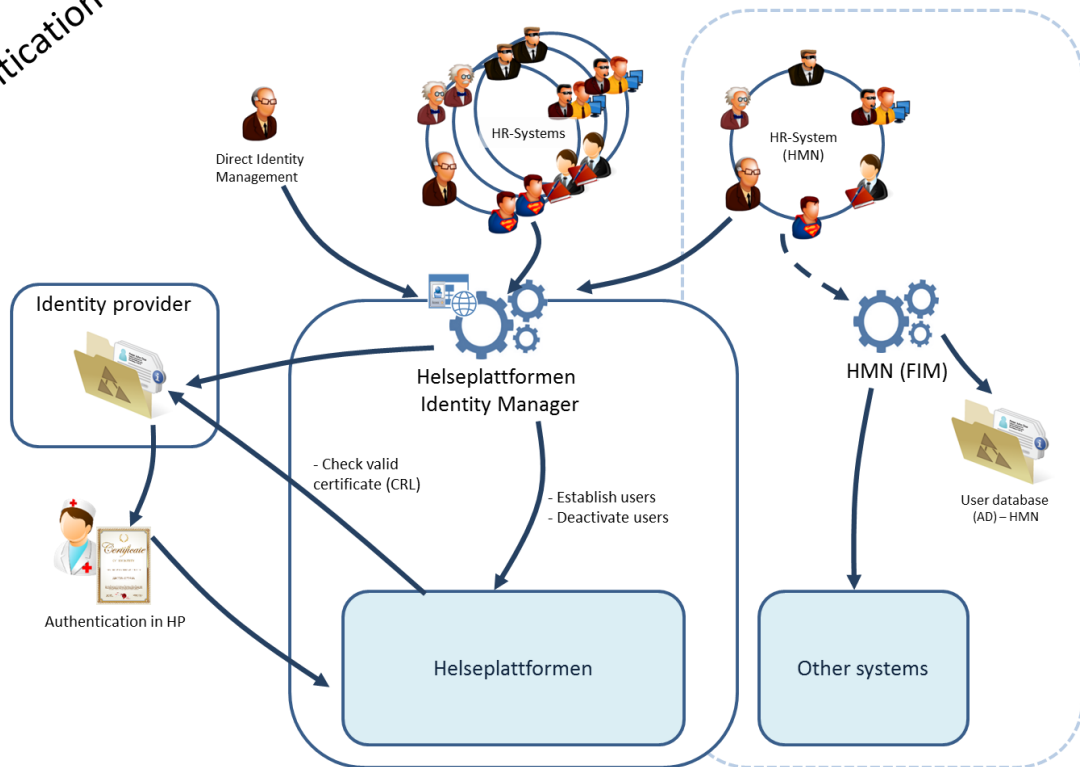
Figure 10 - Identity and Access Management

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25387	**Authentication and authorisation mechanisms** The Contractor shall in T Appendix 2C1 describe the different authentication and *authorisation* mechanisms supported by the solution.	H	3	D	A;DC	C
T25389	**Computers with auto-logon to an operating system service account** The Contractor confirms that a user, different from the service user logged on to the operating system, shall be allowed to logon to the solution. Please describe any deviation in T Appendix 2C1	H	3	DX	DC	C
T25390	**IAM integration** The Contractor shall in T Appendix 2C1 describe how the solution works with *identity access management (IAM)* solutions.	H	3	D	A;DC	C
T25391	**Administrative privileges** The Contractor shall in T Appendix 2C1 describe how the administrative privileges are implemented and how the administrative privileges can be delegated and configured.	H	3	D	A;DC	C
T25392	**Unknown usernames and passwords** The Contractor confirms that the solution not, by security reasons, contain system generic usernames and passwords hidden to the Customer.	H	3	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25393	**Non-repudiation** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.1.5 in EHR-S FM.	H	2	D	A;DC	C
T25394	**Non-repudiation – capture identity** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.1.5 in EHR-S FM.	H	2	N/A	DC	C
T25395	**Non-repudiation – capture timestamp** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.1.5 in EHR-S FM.	H	2	N/A	DC	C
T25396	**Non-repudiation – conform to audit** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.1.5 in EHR-S FM.	H	2	N/A	DC	C
T25397	**Non-repudiation – ensure integrity of data** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.1.5 in EHR-S FM.	M	2	N/A	DC	C

5.6 TRACEABILITY

The Customer seeks to implement a comprehensive traceability mechanism to track selected types of events in IT systems portfolio. The objective is through an intuitive administration interface to be able to perform thorough analysis of the system behaviour based on the trace information collected.

In this Chapter, the Contractor is asked to describe how the offered solution supports traceability and how system events are collected.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25398	**Traceability support** The Contractor shall in T Appendix 2C1 describe how the solution supports traceability through all tiers.	H	3	D	A;DC	C
T25399	**System event tracing** The Contractor shall in T Appendix 2C1 describe how it is possible to trace and collect system events.	H	3	D	A;DC	C
T25400	**Audit** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2 in EHR-S FM.	H	3	D	A;DC	C
T25401	**Audit - limit access to modify** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2 in EHR-S FM.	H	3	N/A	DC	C
T25402	**Audit - limit access to delete** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2 in EHR-S FM.	H	3	N/A	DC	C
T25403	**Audit Triggers** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1 in EHR-S FM.	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25404	**Audit triggers - key events** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25405	**Audit triggers - capture key audit metadata** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25406	**Audit triggers - capture audit log entry** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25407	**Audit triggers - capture master clock time** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1 in EHR-S FM.	H	3	N/A	DC	C
T25408	**Audit triggers – common audit engine** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1 in EHR-S FM.	L	3	N/A	DC	C
T25409	**Record entry audit triggers** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.1 in EHR-S FM.	H	3	D	A;DC	C
T25410	**Record entry audit triggers - conform to function** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25411	**Record entry audit triggers - linking** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25412	**Record entry audit triggers - harmonising** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.1 in EHR-S FM.	H	3	N/A	DC	C
T25413	**Security audit triggers** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2 in EHR-S FM.	H	2	D	A;DC	C
T25414	**Security audit triggers - access control** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2 in EHR-S FM.	H	2	N/A	DC	C
T25415	**Security audit triggers - according to scope** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2 in EHR-S FM.	H	2	N/A	DC	C
T25416	**Security audit triggers - capture key audit metadata** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2 in EHR-S FM.	H	2	N/A	DC	C
T25417	**Security audit triggers - capture audit log entry** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2 in EHR-S FM.	H	2	N/A	DC	C
T25418	**Security audit triggers - system maintenance** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2 in EHR-S FM.	H	2	N/A	DC	C
T25419	**Security audit triggers - common audit engine** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2 in EHR-S FM.	L	2	N/A	DC	C
T25420	**Security event security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution	H	2	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
	will comply with function TI.2.1.2.1 in EHR-S FM.					
T25421	**Security event security audit trigger - audit each occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25422	**Security event security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25423	**Security event security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25424	**Security event security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25425	**Security event security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25426	**Security event security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25427	**Security event security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25428	**Security event security audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.1 in EHR-S FM.	L	2	N/A	DC	C
T25429	**User authentication to the system (start user session) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.2 in EHR-S FM.	H	2	D	A;DC	C
T25430	**User authentication to the system (start user session) security audit trigger - audit user authentication** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25431	**User authentication to the system (start user session) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25432	**User authentication to the system (start user session) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25433	**User authentication to the system (start user session) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25434	**User authentication to the system (start user session) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25435	**User authentication to the system (start user session) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25436	**User authentication to the system (start user session) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25437	**User authentication to the system (start user session) security audit trigger - capture user authentication method** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25438	**User authentication (system prompt for password change) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.3 in EHR-S FM.	H	2	D	A;DC	C
T25439	**User authentication (system prompt for password change) security audit trigger - audit password change prompt** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25440	**User authentication (system prompt for password change) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25441	**User authentication (system prompt for password change) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25442	**User authentication (system prompt for password change) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25443	**User authentication (system prompt for password change) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25444	**User authentication (system prompt for password change) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25445	**User authentication (system prompt for password change) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25446	**User authentication (system prompt for password change) security audit trigger - capture new password** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25447	**User request to change password security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.4 in EHR-S FM.	H	2	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25448	**User request to change password security audit trigger - audit password change** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25449	**User request to change password security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25450	**User request to change password security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25451	**User request to change password security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25452	**User request to change password security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25453	**User request to change password security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25454	**User request to change password security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25455	**User request to change password security audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.4 in EHR-S FM.	L	2	N/A	DC	C
T25456	**User request to change password security audit trigger - capture new password** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.2.1.2.4 in EHR-S FM.	H	2	N/A	DC	C
T25457	**User log out (end user session) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.5 in EHR-S FM.	H	2	D	A;DC	C
T25458	**User log out (end user session) security audit trigger - audit user logout** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C
T25459	**User log out (end user session) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C
T25460	**User log out (end user session) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25461	**User log out (end user session) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C
T25462	**User log out (end user session) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C
T25463	**User log out (end user session) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C
T25464	**User log out (end user session) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.5 in EHR-S FM.	H	2	N/A	DC	C
T25465	**User log out (end user session) security audit trigger - capture how session ended** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.5 in EHR-S FM.	M	2	N/A	DC	C
T25466	**User access (successful) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.6 in EHR-S FM.	H	2	D	A;DC	C
T25467	**User access (successful) security audit trigger - audit successful user access** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C
T25468	**User access (successful) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C
T25469	**User access (successful) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C
T25470	**User access (successful) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C
T25471	**User access (successful) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C
T25472	**User access (successful) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C
T25473	**User access (successful) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.6 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25474	**User attempts to access data (unsuccessful – access denied) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.7 in EHR-S FM.	H	2	D	A;DC	C
T25475	**User attempts to access data (unsuccessful – access denied) security audit trigger - audit unsuccessful user access** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25476	**User attempts to access data (unsuccessful – access denied) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25477	**User attempts to access data (unsuccessful – access denied) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25478	**User attempts to access data (unsuccessful – access denied) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25479	**User attempts to access data (unsuccessful – access denied) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25480	**User attempts to access data (unsuccessful – access denied) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25481	**User attempts to access data (unsuccessful – access denied) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.7 in EHR-S FM.	H	2	N/A	DC	C
T25482	**Extraordinary user access (break the glass) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.8 in EHR-S FM.	H	2	D	A;DC	C
T25483	**Extraordinary user access (break the glass) security audit trigger - audit extraordinary user access** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25484	**Extraordinary user access (break the glass) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25485	**Extraordinary user access (break the glass) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25486	**Extraordinary user access (break the glass) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25487	**Extraordinary user access (break the glass) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25488	**Extraordinary user access (break the glass) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25489	**Extraordinary user access (break the glass) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25490	**Extraordinary user access (break the glass) security audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.8 in EHR-S FM.	H	2	N/A	DC	C
T25491	**User permissions (authorisation) security audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.2.9 in EHR-S FM.	H	2	D	A;DC	C
T25492	**User permissions (authorisation) security audit trigger - audit change in user permissions** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25493	**User permissions (authorisation) security audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25494	**User permissions (authorisation) security audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25495	**User permissions (authorisation) security audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25496	**User permissions (authorisation) security audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25497	**User permissions (authorisation) security audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25498	**User permissions (authorisation) security audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25499	**User permissions (authorisation) security audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.2.9 in EHR-S FM.	M	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25500	**User permissions (authorisation) security audit trigger - capture user changed** The Contractor confirms that the solution shall comply with conformance criteria 9 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25501	**User permissions (authorisation) security audit trigger - capture new user permissions** The Contractor confirms that the solution shall comply with conformance criteria 10 of function TI.2.1.2.9 in EHR-S FM.	H	2	N/A	DC	C
T25502	**System audit triggers** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3 in EHR-S FM.	H	3	D	A;DC	C
T25503	**System audit triggers - record system maintenance events** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3 in EHR-S FM.	M	3	N/A	DC	C
T25504	**System audit triggers - store system maintenance events** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3 in EHR-S FM.	M	3	N/A	DC	C
T25505	**System audit triggers - record system maintenance events for backup** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3 in EHR-S FM.	M	3	N/A	DC	C
T25506	**System audit triggers - audit corrupt data events** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3 in EHR-S FM.	M	3	N/A	DC	C
T25507	**System audit triggers - record access and usage** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3 in EHR-S FM.	H	3	N/A	DC	C
T25508	**System audit triggers - capture hardware and software events** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3 in EHR-S FM.	H	3	N/A	DC	C
T25509	**System audit triggers - record system maintenance events for entry and exit** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3 in EHR-S FM.	H	3	N/A	DC	C
T25510	**System audit triggers - record system maintenance events for remote access** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.3 in EHR-S FM.	H	3	N/A	DC	C
T25511	**System event system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.1 in EHR-S FM.	H	2	D	A;DC	C
T25512	**System event system audit trigger - audit system events** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25513	**System event system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25514	**System event system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25515	**System event system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25516	**System event system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25517	**System event system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25518	**System event system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.1 in EHR-S FM.	H	3	N/A	DC	C
T25519	**System event system audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.3.1 in EHR-S FM.	L	3	N/A	DC	C
T25520	**System started system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.2 in EHR-S FM.	H	2	D	A;DC	C
T25521	**System started system audit trigger - audit system start** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25522	**System started system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25523	**System started system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25524	**System started system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25525	**System started system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25526	**System started system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25527	**System started system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.2 in EHR-S FM.	H	3	N/A	DC	C
T25528	**Back up started system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.3 in EHR-S FM.	H	3	D	A;DC	C
T25529	**Back up started system audit trigger - audit database backup initiation** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25530	**Back up started system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25531	**Back up started system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25532	**Back up started system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25533	**Back up started system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25534	**Back up started system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25535	**Back up started system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.3 in EHR-S FM.	H	3	N/A	DC	C
T25536	**Back up completed system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.4 in EHR-S FM.	H	3	D	A;DC	C
T25537	**Back up completed system audit trigger - audit database backup completion** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25538	**Back up completed system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25539	**Back up completed system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25540	**Back up completed system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25541	**Back up completed system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25542	**Back up completed system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25543	**Back up completed system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25544	**Back up completed system audit trigger - capture backup status** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.3.4 in EHR-S FM.	H	3	N/A	DC	C
T25545	**Back up recovery started system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.5 in EHR-S FM.	H	3	D	A;DC	C
T25546	**Back up recovery started system audit trigger - audit database recovery initiation** The Contractor confirms that the solution shall comply with	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
	conformance criteria 1 of function TI.2.1.3.5 in EHR-S FM.					
T25547	**Back up recovery started system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.5 in EHR-S FM.	H	3	N/A	DC	C
T25548	**Back up recovery started system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.5 in EHR-S FM.	H	3	N/A	DC	C
T25549	**Back up recovery started system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.5 in EHR-S FM.	H	3	N/A	DC	C
T25550	**Back up recovery started system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.5 in EHR-S FM.	H	3	N/A	DC	C
T25551	**Back up recovery started system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.5 in EHR-S FM.	H	3	N/A	DC	C
T25552	**Back up recovery started system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.5 in EHR-S FM.	H	3	N/A	DC	C
T25553	**Back up recovery completed system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.6 in EHR-S FM.	H	3	D	A;DC	C
T25554	**Back up recovery completed system audit trigger - audit database recovery completion** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25555	**Back up recovery completed system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25556	**Back up recovery completed system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25557	**Back up recovery completed system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25558	**Back up recovery completed system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25559	**Back up recovery completed system audit trigger - capture date and time**	H	3	N/A	DC	C

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	The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.6 in EHR-S FM.					
T25560	**Back up recovery completed system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25561	**Back up recovery completed system audit trigger - capture recovery status** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.3.6 in EHR-S FM.	H	3	N/A	DC	C
T25562	**Batch job started system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.7 in EHR-S FM.	H	3	D	A;DC	C
T25563	**Batch job started system audit trigger - audit batch job initiation** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25564	**Batch job started system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25565	**Batch job started system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25566	**Batch job started system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25567	**Batch job started system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25568	**Batch job started system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25569	**Batch job started system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.7 in EHR-S FM.	H	3	N/A	DC	C
T25570	**Batch job completed system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.8 in EHR-S FM.	H	3	D	A;DC	C
T25571	**Batch job completed system audit trigger - audit batch job completion** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C
T25572	**Batch job completed system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C
T25573	**Batch job completed system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25574	**Batch job completed system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C
T25575	**Batch job completed system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C
T25576	**Batch job completed system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C
T25577	**Batch job completed system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.8 in EHR-S FM.	H	3	N/A	DC	C
T25578	**Maintenance started system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.9 in EHR-S FM.	H	3	D	A;DC	C
T25579	**Maintenance started system audit trigger - capture maintenance initiation** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25580	**Maintenance started system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25581	**Maintenance started system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25582	**Maintenance started system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25583	**Maintenance started system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25584	**Maintenance started system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25585	**Maintenance started system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.9 in EHR-S FM.	H	3	N/A	DC	C
T25586	**Maintenance completed system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.10 in EHR-S FM.	H	3	D	A;DC	C
T25587	**Maintenance completed system audit trigger - capture maintenance completion** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C

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T25588	**Maintenance completed system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C
T25589	**Maintenance completed system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C
T25590	**Maintenance completed system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C
T25591	**Maintenance completed system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C
T25592	**Maintenance completed system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C
T25593	**Maintenance completed system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.10 in EHR-S FM.	H	3	N/A	DC	C
T25594	**Resource usage system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.11 in EHR-S FM.	H	3	D	A;DC	C
T25595	**Resource usage system audit trigger - audit system resources usage** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25596	**Resource usage system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25597	**Resource usage system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25598	**Resource usage system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25599	**Resource usage system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25600	**Resource usage system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25601	**Resource usage system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.11 in EHR-S FM.	H	3	N/A	DC	C
T25602	**System maintenance events - local access system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.12 in EHR-S FM.	H	3	D	A;DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25603	**System maintenance events - local access system audit trigger - audit system maintenance with local access** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25604	**System maintenance events - local access system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25605	**System maintenance events - local access system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25606	**System maintenance events - local access system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25607	**System maintenance events - local access system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25608	**System maintenance events - local access system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25609	**System maintenance events - local access system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.12 in EHR-S FM.	H	3	N/A	DC	C
T25610	**System maintenance events - remote access system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.13 in EHR-S FM.	H	3	D	A;DC	C
T25611	**System maintenance events - remote access system audit trigger - audit system maintenance with remote access** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C
T25612	**System maintenance events - remote access system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C
T25613	**System maintenance events - remote access system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C
T25614	**System maintenance events - remote access system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C
T25615	**System maintenance events - remote access system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25616	**System maintenance events - remote access system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C
T25617	**System maintenance events - remote access system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.13 in EHR-S FM.	H	3	N/A	DC	C
T25618	**System maintenance - EHR or clinical software system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.14 in EHR-S FM.	H	3	D	A;DC	C
T25619	**System maintenance - EHR or clinical software system audit trigger - audit system maintenance software change** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25620	**System maintenance - EHR or clinical software system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25621	**System maintenance - EHR or clinical software system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25622	**System maintenance - EHR or clinical software system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25623	**System maintenance - EHR or clinical software system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25624	**System maintenance - EHR or clinical software system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25625	**System maintenance - EHR or clinical software system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.14 in EHR-S FM.	H	3	N/A	DC	C
T25626	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.15 in EHR-S FM.	H	3	D	A;DC	C
T25627	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - audit system maintenance register change** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C
T25628	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25629	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C
T25630	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C
T25631	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C
T25632	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C
T25633	**System maintenance - codes, vocabulary, knowledge, rules system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.15 in EHR-S FM.	H	3	N/A	DC	C
T25634	**Data corruption system audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.3.16 in EHR-S FM.	H	3	D	A;DC	C
T25635	**Data corruption system audit trigger - audit data corruption** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25636	**Data corruption system audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25637	**Data corruption system audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25638	**Data corruption system audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25639	**Data corruption system audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25640	**Data corruption system audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25641	**Data corruption system audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.3.16 in EHR-S FM.	H	3	N/A	DC	C
T25642	**Clinical audit triggers** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.4 in EHR-S FM.	H	2	D	A;DC	C
T25643	**Clinical audit triggers - track clinical alerts** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.4 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25644	**Clinical audit triggers - track acknowledgement** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.4 in EHR-S FM.	H	2	N/A	DC	C
T25645	**Clinical audit triggers - track disabled decision support alerts** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.4 in EHR-S FM.	M	2	N/A	DC	C
T25646	**Clinical alerts clinical audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.4.1 in EHR-S FM.	H	2	D	A;DC	C
T25647	**Clinical alerts clinical audit trigger - audit clinical alert occurrence** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.4.1 in EHR-S FM	H	2	N/A	DC	C
T25648	**Clinical alerts clinical audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T25649	**Clinical alerts clinical audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T25650	**Clinical alerts clinical audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T25651	**Clinical alerts clinical audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T25652	**Clinical alerts clinical audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T25653	**Clinical alerts clinical audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.4.1 in EHR-S FM.	H	2	N/A	DC	C
T25654	**Clinical alerts clinical audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.4.1 in EHR-S FM.	M	2	N/A	DC	C
T25655	**Acknowledgements of clinically significant report changes clinical audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.4.2 in EHR-S FM.	H	2	D	A;DC	C
T25656	**Acknowledgements of clinically significant report changes clinical audit trigger - audit acknowledgement of report changes** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C
T25657	**Acknowledgements of clinically significant report changes clinical audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C
T25658	**Acknowledgements of clinically significant report changes clinical audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25659	**Acknowledgements of clinically significant report changes clinical audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C
T25660	**Acknowledgements of clinically significant report changes clinical audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C
T25661	**Acknowledgements of clinically significant report changes clinical audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C
T25662	**Acknowledgements of clinically significant report changes clinical audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.4.2 in EHR-S FM.	H	2	N/A	DC	C
T25663	**Acknowledgements of clinically significant report changes clinical audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.4.2 in EHR-S FM.	M	2	N/A	DC	C
T25664	**Disable decision support alerts clinical audit trigger** The Contractor shall in T Appendix 2C1 describe how the solution will comply with function TI.2.1.4.3 in EHR-S FM.	H	2	D	A;DC	C
T25665	**Disable decision support alerts clinical audit trigger - audit disabled decision support alerts** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25666	**Disable decision support alerts clinical audit trigger - capture organisation identity** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25667	**Disable decision support alerts clinical audit trigger - capture user identity** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25668	**Disable decision support alerts clinical audit trigger - capture system identity** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25669	**Disable decision support alerts clinical audit trigger - capture trigger event** The Contractor confirms that the solution shall comply with conformance criteria 5 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25670	**Disable decision support alerts clinical audit trigger - capture date and time** The Contractor confirms that the solution shall comply with conformance criteria 6 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25671	**Disable decision support alerts clinical audit trigger - capture location** The Contractor confirms that the solution shall comply with conformance criteria 7 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25672	**Disable decision support alerts clinical audit trigger - capture rationale** The Contractor confirms that the solution shall comply with conformance criteria 8 of function TI.2.1.4.3 in EHR-S FM.	H	2	N/A	DC	C
T25673	**Audit log management** The Contractor shall, in T Appendix 2C1, describe how the solution will comply with function TI.2.2 in EHR-S FM.	H	2	D	A;DC	C
T25674	**Audit log management - ability to capture audit log in standard format** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25675	**Audit log management - ability to tag audit log entries** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.2 in EHR-S FM.	M	2	N/A	DC	C
T25676	**Audit log management - ability to securely store audit log entries metadata** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.2 in EHR-S FM.	M	2	N/A	DC	C
T25677	**Audit log management - ability to log access to audit log and metadata** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.2 in EHR-S FM.	H	2	N/A	DC	C
T25678	**Audit log indelibility** The Contractor shall, in T Appendix 2C1, describe how the solution will comply with function TI.2.2.1 in EHR-S FM.	H	2	D	A;DC	C
T25679	**Audit log indelibility - manage audit log entries** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.2.1 in EHR-S FM.	H	2	N/A	DC	C
T25680	**Audit notification and review** The Contractor shall, in T Appendix 2C1, describe how the solution will comply with function TI.2.3 in EHR-S FM.	H	2	D	A;DC	C
T25681	**Audit notification and review - ability to render a report** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25682	**Audit notification and review - capability to generate reports based on range** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.2.3 in EHR-S FM.	H	2	N/A	DC	C
T25683	**Audit notification and review - ability to render a report using UTC** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.2.3 in EHR-S FM.	M	2	N/A	DC	C
T25684	**Audit notification and review - allow emergency access based on criteria** The Contractor confirms that the solution shall comply with conformance criteria 4 of function TI.2.3 in EHR-S FM.	H	2	N/A	DC	C

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5.7 LOGGING (INCLUDING LOG MANAGEMENT)

The Customer is obligated to log selected types of events generated by the IT system portfolio. The objective is to collect system generated log information, to normalise and correlate it in a centralised log management solution.

In this Chapter, the Contractor is asked to describe how the offered solution supports logging of events and the functionality to export log information to an external and centralised log management solution.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25685	**Log level** The Contractor shall in T Appendix 2C1 describe the logging levels/opportunities.	H	3	D	A;DC	C
T25686	**Log export** The Contractor shall in T Appendix 2C1 describe the log export opportunities and the ability to export log information to the Customer's log analysis tools.	H	3	D	A;DC	C
T25687	**Performance data handling** The Contractor shall in T Appendix 2C1 describe how the solution is able to collect performance data and user activity to get a detailed performance overview for components in the solution.	H	3	D	A;DC	C

6 PERIPHERALS

The Customer utilises peripherals to a large extent in the patient care. Peripherals are connected devices and technical infrastructure services providing modern functionality to supply advanced, efficient and secure patient care.

The Contractor is asked to supply information on how the offered solution supports and takes advantages of all types of connected devices and technical infrastructure services mentioned in the following subchapters.

Table 6 - Technical terms peripherals

Term	Description
Different printouts	The list of printouts is an example of the current needs for printouts: • Labels to be used for e.g. blood samples, medication, letters, etc. • Prescription, medication order • Letters e.g., confirming or reminding of a consultation, appointment • Patient health record extracts • Consents and authorisations • Invoices • Forms and templates • Scanned documents • Work schedules, rotas • Reports and search, query results

	• Images or other high resolution formats • ID code /bar code/ QR code The list is not exhaustive and the future needs for printouts may vary.
Printed and digital tags	Printed tags printed on different kind of materials on the entity, for example all types of barcodes (QR). Digital tags are information stored on a chip embedded to the entity. The data is accessed by Radio Frequency Identification (RFID) or Near Field Communications (NFC) readers.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25688	**Adapting new peripheral technology** The Contractor shall in T Appendix 2C1 describe the roadmap for adapting to future peripheral technology.	H	3	D	A;DC	C
T25689	**Approving new hardware** The Contractor shall in T Appendix 2C1 describe the process for approving new peripheral hardware.	H	3	D	A;DC	C
T25690	**Support for peripheral devices on different clients** The Contractor confirms that the solution shall support peripheral devices on both physical and virtual clients.	H	3	N/A	DC	C
T25691	**Support for legacy peripheral devices** The Contractor confirms that the solution shall support legacy peripheral devices.	H	3	N/A	DC	C

6.1 PRINTING

The Customer utilises a contemporary and functional printing solution in clinical, logistic and administrative workflows. The objective is to reduce the need of patient information printouts, since more and more of the clinical and administrative workflows are digitalised.

In this Chapter, the Contractor is asked to describe the supported printing technologies for different printouts initiated from different types of clients.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25697	**Windows print support** The Contractor confirms that the solution shall support Windows ® Print Services.	H	3	N/A	DC	C
T25698	**Printing technologies** The Contractor shall in T Appendix 2C1 describe the different printing technologies supported by the solution, including print technologies used by the client portfolio. Specify if different technologies are used for different printouts.	H	3	D	A;DC	C

6.2 SCANNING OF DOCUMENTS

The Customer is utilising a functional scanning solution in both clinical and administrative workflows. The objective is to scan all types of important read only and non-digitalised information to extend the patient health record.

In this Chapter, the Contractor is asked to describe the solution for scanning different types of information and the supported hardware devices.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25699	**Scanning documents** The Contractor shall in T Appendix 2C1 describe the solution for scanning of different types of documents.	H	3	D	A;DC	C
T25700	**Scanning hardware** The Contractor shall in T Appendix 2C1 list the supported hardware for scanning.	H	3	D	A;DC	C

6.3 MULTIMEDIA

The Customer is focused on utilising different types of **_multimedia_** recordings to improve the patient care. The objective is to fully implement contemporary and advanced multimedia information in the overall patient diagnostics and treatment workflows. The Customer expects that multimedia technologies and development will be important in the future.

More information about this topic is found in *T Appendix 1B, Chapter 4.5*.

In this Chapter, the Contractor is asked to describe the technical solution for handling of different types of multimedia, such as audio, video and pictures. In addition, the Contractor is asked to describe the initiative or process to adapt to new multimedia technologies.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25701	**Multimedia solution** The Contractor shall in T Appendix 2C1 describe the overall solution for capturing and rendering multimedia.	H	3	D	A;DC	C
T26438	**Multimedia storage** The Contractor shall in T Appendix 2C1 describe different alternatives for storing multimedia information (e.g., pictures, video's, voice). The focus shall be on internal storage and the possibilities of using an external multimedia storage.	H	3	D	A;DC	C
T25702	**Multimedia hardware** The Contractor shall in T Appendix 2C1 describe the supported hardware solutions for multimedia recordings.	H	3	D	A;DC	C

6.4 READING OF TAGS

The Customer uses bar code reading and RFID in some patient workflows to identify patients and materials. The future objective is to utilise all relevant types of technologies to read different types of printed and digital tags in patient care. The goal for utilising tag technologies is to enhance care quality and efficiency in workflows.

In this Chapter, the Contractor is asked to describe the technical solution for reading different types of tags, both printed and digital tags, and how the Contractor adapt to new technologies using tags.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25703	**Tag reading** The Contractor shall in T Appendix 2C1 describe the overall solution for reading printed and digital tags.	H	3	D	A;DC	C
T25704	**Hardware supporting tag reading** The Contractor shall in T Appendix 2C1 describe the supported hardware solutions for reading printed and digital tags.	H	3	D	A;DC	C

6.5 VOICE RECOGNITION

The Customer utilises voice recognition in patient care to ease the creation of important diagnostics and care information in the health record. The objective is to give health personnel the opportunity to generate text by voice recordings and to have easy access to functionality in the solution by entering voice commands.

More information about this topic is found in *T Appendix 1B, Chapter 5.2.3.*

In this Chapter, the Contractor is asked to describe the technical solution for voice recordings, leading to text translation or execution of commands.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25705	**Voice recognition support** The Contractor confirms that the solution shall support voice recognition.	H	3	N/A	DC	C
T25706	**Voice recognition solution** The Contractor shall in T Appendix 2C1 describe the overall solution for voice recognition.	H	3	D	A;DC	C
T25707	**Voice recognition hardware** The Contractor shall in T Appendix 2C1 describe the supported hardware solutions for voice recognition.	H	3	D	A;DC	C

T Appendix 1C Technical Requirements v1.0

7 TECHNICAL INFRASTRUCTURE

The Customer currently implements and maintains a uniform, modern, updated and robust technical infrastructure based on a high level of virtualisation, cf. *Appendix C1*. The infrastructure strategy points in the direction of even more virtualisation and cloud based delivery models as showed in Figure 11 - Infrastructure delivery model below.
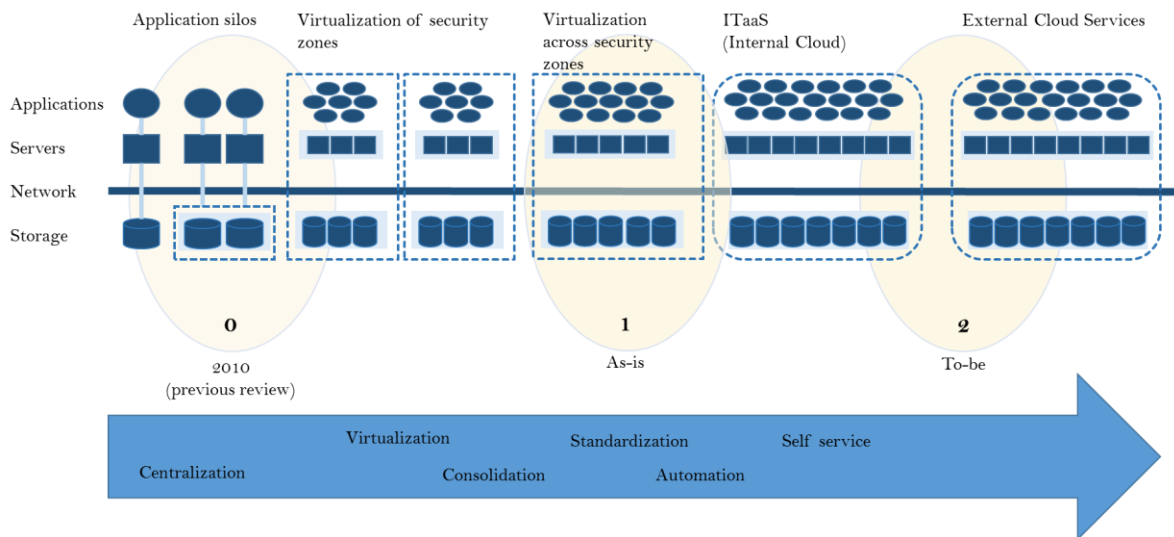

Figure 11 - Infrastructure delivery model

General expectations

The new EHR solution will be implemented and operated in the technical infrastructure owned or hired by the Customer. It must be compatible with the existing operational IT environment and run side by side with the existing IT service portfolio.

Furthermore, it should be cloud aware and be prepared to run in a technical infrastructure delivered as cloud based delivery service, thus be able to scale to meet future needs and be continuously available.

In this Chapter, the Contractor is asked to describe how the offered solution fulfil these expectations and to give the Customer an understanding of how well it will work together with the existing technical infrastructure documented in cf. *Appendix C1*.

Table 7 - General technical terms

Term	Definition
Middleware	Middleware is computer software that provides services to software applications beyond those available from the operating system. For example: .net, Java, Flash, etc.
Third party applications	Commercial applications called by the solution to extend functionality. For example: MS Office, Adobe reader, Media Player, etc.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25887	**Required software and tools** The Contractor shall in T Appendix 2C1 describe any software and tools that are required for a fully operational management of the offered solution. The software and tools shall be listed and any conditions for the use of these shall be commented.	H	2	D	A;DC	C

7.1 NETWORK

The Customer is focused on implementing and maintaining a contemporary network service making the different actors in the health service in the Central Norway Health Region able to use IT systems that share patient information in an efficient and stable manner. The objectives is to continuously exploit new opportunities to implement new network technologies in alignment with the innovative technology development and as a result give all the actors in the health service an available and stable access to health related information.

In this Chapter, the Contractor is asked to document the requirements for network services and the associated network quality.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25717	**Bandwidth handling** The Contractor confirms that the solution is compatible with networks suffering from limited bandwidth and variation in bandwidth. Please describe any deviation in T Appendix 2C1.	H	3	DX	DC	C
T25718	**Minimum bandwidth** The Contractor shall in T Appendix 2C1 specify the minimum bandwidth requirement for the different layers of the solution.	H	3	D	A;DC	C
T25719	**IP network** The Contractor confirms that the solution is functioning in a routed and distributed IP network. Please describe any deviation in T Appendix 2C1.	H	3	DX	DC	C
T25720	**Latency tolerance** The Contractor shall in T Appendix 2C1 describe maximum latency tolerance for the different layers of the solution.	H	3	D	A;DC	C
T25721	**Network services** The Contractor shall in T Appendix 2C1 describe other requirements for network services, for example quality of service, encryption, packet size and multicast.	H	3	D	A;DC	C

7.2 CLIENTS

The Customer is focused on offering physical and virtual clients on both stationary and mobile devices for health personnel. The objective is to exploit the client technology development to continuously increase the *usability* of digitalised workflows.

In this Chapter, the Contractor is asked to describe the client portfolio, software and hardware dependencies, the related configuration requirements and the virtual client functional performance.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25722	**Types of clients** The Contractor shall in T Appendix 2C1 describe the type of clients supported by the solution, both physical and virtual.	H	3	D	A;DC	C
T25723	**Hardware requirements** The Contractor shall in T Appendix 2C1 describe minimal hardware requirements for the different type of clients, for example CPU, memory, display adapters and resolution, hard drive and network capacity.	H	3	D	A;DC	C
T25724	**Supported operating systems** The Contractor shall in T Appendix 2C1 describe the client operating systems supported.	H	3	D	A;DC	C
T25725	**Supported web browsers** The Contractor shall in T Appendix 2C1 list supported web browsers with versions.	M	3	D	A;DC	C
T25726	**Client installation and dependencies** The Contractor shall in T Appendix 2C1 describe the client applications local installation and dependencies to middleware and third party applications.	H	3	D	A;DC	C
T25727	**Managing/configuring clients** The Contractor shall in T Appendix 2C1 describe how the client applications are managed and configured.	H	3	D	A;DC	C
T25728	**Local data caching** The Contractor shall in T Appendix 2C1 describe any requirements for temporary storage locally on the different types of clients.	H	3	D	A;DC	C
T25729	**VDI client** The Contractor shall in T Appendix 2C1 describe how the solution works in a virtualized client environment (VDI) and experiences using virtualised clients, including: • Voice recognition • Multimedia recordings • Peripherals Limit the description to a maximum of 5 pages.	H	3	D	A;DC	C

7.3 SERVER PLATFORM

The Customer is focused on implementing and maintaining a stable and robust server infrastructure. The objective is to achieve an increasing degree of server virtualisation and use of cloud based deliveries as platform-as-a-service (PaaS) and infrastructure-as-a-service (IaaS).

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In this Chapter, the Contractor is asked to describe how well the offered solution supports the Customer's objectives and the associated technical requirements.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25730	**Software and hardware requirements** The Contractor shall in T Appendix 2C1 describe the hardware and software requirements for the recommended server platform.	H	3	D	A;DC	C
T25731	**Virtualised infrastructure** The Contractor shall in T Appendix 2C1 describe how the solution will fit in a virtualised server platform.	H	3	D	A;DC	C

7.4 DATA STORAGE

The Customer is focused on implementing and maintaining a stable and robust storage technology. The objective is to implement efficient and contemporary storage solutions, with the ability to store separate types of data on different storage technologies and delivering responsive storage services.

The existing storage solution comprises different qualities and operational lifetime storage area network (SAN) solutions.

In this Chapter, the Contractor is asked to describe the technical requirements for a stable and robust data storage service and the opportunities making the storage service efficient. The Contractor is asked to describe how the solution stores different types of data in the storage architecture.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25732	**Recommended storage solution** The Contractor shall in T Appendix 2C1 describe which storage solutions are supported and recommended.	H	3	D	A;DC	C
T25733	**Describe the storage architecture** The Contractor shall in T Appendix 2C1 describe the storage architecture, especially how • multimedia content • structured data • unstructured data are stored Limit the description to a maximum of 5 pages.	H	3	D	A;DC	C
T25734	**Manage different storage qualities** The Contractor confirms that the solution is compatible with a multi-tier storage architecture, supporting different storage qualities.	H	3	N/A	DC	C

7.5 APPLICATION DISTRIBUTION (PACKAGES)

The Customer prefers a centralised management and distribution of client applications. The objective is to continuously exploit the client application virtualisation technologies and contemporary application streaming technologies. Client applications running on mobile devices should adapt to the same objective.

In this Chapter, the Contractor is asked to describe how the client applications supports different packaging techniques and application streaming. The Customer also seeks to get an understanding of experiences, configuration and possibilities regarding application distribution.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25735	**Packaging of client applications** The Contractor shall in T Appendix 2C1 describe the packaging techniques supported by the client applications.	H	3	D	A;DC	C
T25736	**Distribution of client applications** The Contractor shall in T Appendix 2C1 describe the supported software distribution solutions for the client applications.	H	3	D	A;DC	C
T25737	**Experiences with application streaming** The Contractor shall in T Appendix 2C1 describe experiences and challenges using client application streaming. Limit the description to a maximum of 2 pages.	H	3	D	A;DC	C
T25738	**Client software packaging and distribution** The Contractor confirms that the Customer's client software packaging and distribution technologies described in Appendix C1 are supported. Please describe any deviation in T Appendix 2C1.	H	3	DX	DC	C

7.6 UPGRADES

The Customer is focused on implementing an update service to regularly patch and update operating systems and software according to the Contractor's update programme. The objective is to ensure that the security and functional operational level is guaranteed.

In this Chapter, the Customer seeks to get an understanding of the update routines and requirements for the offered solution.

The Contractor is asked to describe how the roadmap for releases, updates and patches is aligned to the update programme for the technical infrastructure. It is of great importance to document how the offered solution installs updates and patches without downtime for users.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25739	**Recommended patch/upgrade routine** The Contractor shall in T Appendix 2C1 describe how the solution can be upgraded/patched in different tiers with no downtime for users.	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25740	**Patching/upgrading underlying infrastructure** The Contractor shall in T Appendix 2C1 describe the recommended practice for patching the underlying technical infrastructure, middleware and third party applications.	H	3	D	A;DC	C
T25741	**Patch/update policy** The Contractor confirms that the Vendors' patch and update programs for underlying software is followed.	H	3	N/A	DC	C
T25742	**Quick rollback** The Contractor shall in T Appendix 2C1 describe how the offered solution support a quick rollback without data loss after a failed patch or upgrade.	H	3	D	A;DC	C

7.7 MONITORING

The Customer is focused on implementing and maintaining advanced monitoring tools and processes to ensure a high operational quality of the technology platforms and the IT system portfolio. The objective is to foresee and avoid operational incidents by monitoring event output.

In this Chapter, the Contractor is asked to describe the architected monitoring functionality, recommended monitoring tools, built-in monitoring functionality and monitoring of performance information.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25743	**Monitoring tools** The Contractor shall in T Appendix 2C1 describe the recommended tools for monitoring and maintenance.	H	3	D	A;DC	C
T25744	**Built-in monitoring solutions** The Contractor shall in T Appendix 2C1 describe any "built-in" monitoring solutions.	H	3	D	A;DC	C
T25745	**Performance data** The Contractor shall in T Appendix 2C1 describe how the solution monitors and logs performance data.	H	3	D	A;DC	C
T25746	**Trending of performance data** The Contractor shall in T Appendix 2C1 describe the ability to trend performance data to maintain baselines and thus enable detection of performance changes.	H	3	D	A;DC	C
T25747	**Monitoring of processes** The Contractor shall in T Appendix 2C1 describe which processes/components to monitor and the impact on the solution a failure in one or several of them may have.	H	3	D	A;DC	C
T25748	**Monitoring alert action** The Contractor shall in T Appendix 2C1 for each monitored component describe how operational problems can be solved.	H	3	D	A;DC	C
T25749	**Monitoring of integration interfaces** The Contractor shall in T Appendix 2C1 describe how the solution monitors integration interfaces.	H	3	D	A;DC	C
T25750	**System management operations and performance** The Contractor shall in T Appendix 2C1 describe how the solution	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
	will comply with function TI.9 in EHR-S FM.					
T25751	**System management operations and performance-manage changed status of an external facility** The Contractor confirms that the solution shall comply with conformance criteria 1 of function TI.9 in EHR-S FM.	M	3	N/A	DC	C
T25752	**System management operations and performance-manage service level agreement information** The Contractor confirms that the solution shall comply with conformance criteria 2 of function TI.9 in EHR-S FM.	M	3	N/A	DC	C
T25753	**System management operations and performance - provide availability statistics according to service level agreement** The Contractor confirms that the solution shall comply with conformance criteria 3 of function TI.9 in EHR-S FM.	L	3	N/A	DC	C

7.8 HIGH AVAILABILITY, SCALABILITY AND PERFORMANCE

The Customer is focused on implementing and maintaining high availability IT solutions. The objective is to implement IT systems and technology platforms supporting high availability functionality.

The new solution will be implemented in several datacentres and has to support automatic failover, redundancy and load balancing.

In this Chapter, the Contractor is asked to describe how the offered solution is designed for high availability, operation in multiple datacentres, dynamic scalability and handling of network failures.

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No.	Requirement	Imp	ToF	D	Doc	ToReq
T25754	**High availability infrastructure design** The Contractor shall in T Appendix 2C1 describe which high availability infrastructure solutions the overall solution supports.	H	3	D	A;DC	C
T25755	**Prioritising components** The Contractor shall in T Appendix 2C1 describe how integrated parts of the solution can be disabled to ensure that mission critical functions are available and accessible.	H	3	D	A;DC	C
T25756	**Multiple datacentres** The Contractor confirms that the offered solution is able to run in two or more datacentres to enhance high availability.	H	3	N/A	DC	C
T25757	**Scaling limits** The Contractor confirms that the offered solution can scale up or out without limitation of single components.	H	3	N/A	DC	C
T25758	**Scalability** The Contractor shall in T Appendix 2C1 describe how the solution is able scale up or out in line with an increasing amount of users or added functionality.	H	3	D	A;DC	C

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25759	**Network downtime** The Contractor shall in T Appendix 2C1 describe how the solution will function during network downtime.	H	3	D	A;DC	C
T25760	**Recovering after network downtime** The Contractor shall in T Appendix 2C1 describe how the solution will recover after network downtime.	H	3	D	A;DC	C

7.9 TEST ENVIRONMENTS

The Customer is focused on maintaining stability and accessibility when new versions or major revisions of the IT system portfolio is implemented in the staging environment. The objective is to ensure proper quality and reduce risk of instability and inaccessibility.

There are separate environments for different tests, production test and training. All staging environments are based on virtualised server infrastructure and the configuration, patch level and versioning of these environments reflect the production environment.

Anonymised data is exported to test environments for test and bug simulation purposes.

In this Chapter, the Contractor is asked to describe requirements for staging environments, recommended tools to be used for test purposes and the capabilities for anonymisation of data sets used in scheduled test processes.

Imp: Importance (O/H/M/L), **Tof**: Time of fulfilment (1/2/3/4), **D**: Describe (D/DX), **Doc**: Documentation (DC, SC, DT, A, I, O), **ToReq**: Type of requirement (C, H, M, GP, P)

No.	Requirement	Imp	ToF	D	Doc	ToReq
T25761	**Recommended staging environments** The Contractor shall in T Appendix 2C1 describe the technical requirements for hardware, infrastructure and integrations for the recommended staging environments.	H	3	D	A;DC	C
T25762	**Additional tools supplementing testing** The Contractor shall in T Appendix 2C1 describe recommended tools, both built-in and/or third party, for test purposes such as: • testing of simulated system workload • loss of functionality in parts of the solution • integrations	H	3	D	A;DC	C
T25763	**Data anonymising/exporting** The Contractor shall in T Appendix 2C1 describe the capabilities for export and anonymising of data.	H	3	D	A;DC	C
T25764	**Reset test data** The Contractor shall in T Appendix 2C1 describe the functionality for resetting test data to retest a specific scenario.	H	3	D	A;DC	C
T25765	**Moving test data** The Contractor shall in T Appendix 2C1 describe the operational procedure for transferring applications and test data between different test environments.	H	3	D	A;DC	C