

1 Release Notes SHIP_1.2.0 (19/4)

With this release the process eCH-0237 SHIP process standard «Care» is delivered.

Following changes are part of this release:

1.1 Connector

No Changes in Connector.

1.2 RAC

EKRS-2997: With the new SHIP standard additional participant types like responsible physician and spitex came up. To configure these participants as well with specific themes and features it was required to do some extension in the application properties.

EKRS-3112: The author field has changed with the new eCH standard 0235 v1.1. Due to this change it was required to adapt the rac and ui configs to work as well with the new author structure. The new author structure doesn't contain anymore only an actor id. There is as well a GLN number and a timestamp. Additionally the author field has been moved to the process information.

EKRS-3022: With the new eCH 0237 a new functionality came into the SHIP-Standard which is called sub process id. The sub process id is used to send the same message with the sequence 1 several times (but with different sub process id) to the same receiver. This ticket was used to implement and provide this feature as well in the RAC.

EKRS-3024: With this release RAC has been extended in order to offer the possibility to filter messages of treatment case that belong to a specific subprocess.

EKRS-2595: The uiConfigs for the new message types have been adapted to the eCH 0237 specifications

EKRS-2648: The uiConfigs were adapted to generate the subprocessId correctly.

EKRS-2559: RAC has been extended with functionality relevant to the subprocess. This includes functionality to extract the subprocessId from the ship messages and store it as metadata in the database, functionality to retrieve and filter messages by their subprocessId, and functionality to generate messages with the correct subprocessId.

EKRS-2323: RAC has been extended to take into account the actorType of the receiver. This offers the possibility to act differently depending on the actor it is communicating with.

1.3 Business Rules

EKRS-1300: Example Messages for Care Process generated.

EKRS-3039: Structure Checks on Business Rules performed.

EKRS-3040: The Message type 04_02_310 was removed.

EKRS-3051: Header field sensitiveData in message 04-02-040 and 04-02-130 set to false. Also all sensitiveData header fields in cancel messages set to false.

EKRS-3062: Created all new ValueSets into the Central Service.

EKRS-3075: Label exit and entry translated into end of treatment and start of treatment.

EKRS-3081: Configuration files for the automatic transformation of messages in JSON format into the correct XML messages have been generated for the new message types

EKRS-3108: The author was missing altogether from the message types 04.01.080 and 04.03.060. The messageAuthor and payloadAuthor were added similarly to all other message types.

EKRS-3165: The businessRules for the 04.02.010 messages have changed so that multiple 04.02 subprocesses can be started.

EKRS-3166: In the businessRules for the version 1.2.3 the messageAuthor and the processInformationReceiver was added all message types. For this reason the initialProcessInformationType is not needed anymore and it was removed altogether.

EKRS-3167: The contact in the new eCH 0237 has changed and therefore the business rules and the related ui config needed to be updated to match the new structure. The contact isn't anymore defined in eCH 0235. The eCH 0237 uses from now on the contact defined in eCH 0044 and eCH 0046.

EKRS-3168: In the message 04.02.030, the cardinality of the elements deniedReason and restrictedReason in the **serviceDecisionList and groupDecisionList has been changed to 0..n. In the message 04.02.040, the cardinality of the element justifyDemand in the **requiredDataList, demandGroupList and demandServiceList has been changed to 1..n.

EKRS-3169: Changes on Schema cardinality after PoC on deniedReason and justifyDemand.

EKRS-3202: The payloadAuthor was added to the 04.02.130 message type. The payloadAuthor is an element containing the elements actorId, gln and date.

EKRS-2343: changes in SHIP_04_01_130 and SHIP_04_01_140 according to eCH-0237

EKRS-2404: Structure checks for the ship version 1.2.3 validate the message sequences on actor level.

EKRS-2523: The specialization element has been added to the message 04.02.010 with cardinality 1..n.

EKRS-2524: The involvedCareProviderList element has been added to the message 04.02.010 with cardinality 0..n.

[EKRS-2531](#): Values defined in the ValueSets requiredData2 and requiredData3.

EKRS-2532: The element careDescriptionA, careDescriptionB, careDescriptionC have been added to the message 04.02.010 with cardinality 0..n.

EKRS-2533: New value "Clarification information not received" stored in the ValueSet deniedReason

EKRS-2534: New value "Missing training for psychiatric services" is stored in the ValueSet deniedReasonService.

EKRS-2535: The element clarifyingPerson has been added to the message 04.02.010 with cardinality 0..1.

EKRS-2537: The element arrangementState has been removed from the message 04.02.010.

EKRS-2539: The element kindOfCare has been removed from the message 04.02.010.

EKRS-2555: Messages 04.02.050 and 04.02.070 supplemented with "Delivery to the medical doctor KVG"

EKRS-2592: New structure checks were implemented for the ship version 1.2.3

EKRS-2594: Create the scripts for the transformation of messages from json to xml.

EKRS-2605: Subprocess ID implemented in Care Process.

EKRS-2644: The businessRules for the 04.02.010 messages have changed so that multiple 04.02 subprocesses can be started.

EKRS-2649: New checks have been implemented for the validation of the messageReference and referenceSequence. The referenced message as specified by its messageId in the messageReference should be of the correct messageType. The messageSequence of the referenced message as specified by the referenceSequence must be a valid sequence for the referenced message. In case of an initial message as is the case for the messages 04.01.130 and 04.01.070 the messageReference should have the value "NONE" and the referenceSequence the value "0".

EKRS-2651: The businessRules for the 04.02.010 messages have changed so that multiple 04.02 subprocesses can be started.

EKRS-3047: Changed all Care Process Namespaces to eCH-0237, SHIP Care.

EKRS-3054: The attachment in the message 04.02.050 has been made optional, when the requestedData has the code requiredData205. The code requiredData205 corresponds to the value "Controlling vor Ort". In all other cases the attachment is mandatory.

EKRS-3064: The elements careneedStart and careNeedEnd were added to the processInformation.

EKRS-3065: Moved responsible physician field in message 04.02.010 from kvg payload to common payload, updated UIConfig and structure xsl test.

EKRS-3066: To implement the new eCH 0237 it was required to extend the UiConfig with new functionalities. With this ticket the UiConfig gives the possibility to search for messages in the eXistDb and uses the result in the initializers.

This feature was then used to send the message 04_02_010 several times with the same content and same message id to different receivers.

EKRS-3068: Adapt the allowed message sequences according to the eCH specification.

EKRS-3069: Removed messages M_04_02_300 and M_04_02_310 including business rules, tests, references in eCH-0234_V1.0.xsd, UIConfigs and documentation.

1.4 Central Services

No Changes in Central Services for external use.

1.5 UI Config

EKRS-2984: The uiConfigs were adapted to generate the messageReference and referenceSequence correctly.

EKRS-2652: Every sub process has a start date (careNeedStart / subProcessStart) and an end date (careNeedEnd / subProcessEnd). Its only allowed to have different sub processes in the new "Pflege"-process if there is no intersection between the subProcessStart and subProcessEnd of any other the sub process in the same conversation. This ticket was about to implement the UiConfig for this feature for the message 04_02_010.

1.6 SHIP Message Forwarding / Spitex Automation

EKRS-3060: The eCH 2037 expects that the message 04_02_130 will be forwarded from the Responsible Physician via SpiteX to the Insurance. To do so this component was implemented. Its a component which is independent from the RAC. The component is configured as internal system on the connector admin interface. As soon as a message 04_02_130 arrives the message forwarding component will be informed from the connector (via Post-Request) about a new message. The message forwarding component will then proceed the incoming message and forwards its via the SpiteX connector to the Insurance. The message forwarding component will forward the message only if the incoming 04_02_130 has decision true (part of the payload) or else it will not be forwarded to the insurance.

1.7 SHIP E-Mail Bridge

EKRS-3172: The e-Mail templates were extended with a baseConversationId and a messageId. This data is added for support reasons.

EKRS-3133: The E-Mail Bridge was extended so that when it receives an update ship message, it sends an email to the doctor specified in the message.

EKRS-3105: The E-Mail Bridge /decision endpoint was extended to retrieve the doctors GLN as a header field with name X-HIN-EAN-NO-MEDICAL. The E-Mail Bridge was adapted to generate ship messages in the version 1.2.3.

EKRS-3080: The E-Mail Bridge was adapted to generate e-Mails according to the new specification of the e-Mail templates.

EKRS-3009: The E-Mail Bridge was adapted to support the SHIP-Version 1.2.3.

EKRS-3048: The E-Mail Bridge was extended so that when it receives a cancel ship message, it sends an email to the doctor specified in the message.

EKRS-2584: For the E-Mail Bridge a new SQL database is created, in order to store and retrieve the mapping between ActorIds and Hinlds. The schema changes are managed by liquibase.

1.8 Application regulations

- Regulation when canceling a requirement message (eCH-0237-02.010)

1.9 Documents

EKRS-2213: Data protection concept supplemented with Spitex specialties

EKRS-2242: Message Specification Spitex deployed

1.10 Currently valid versions

The following overview shows the currently used versions.

Components	Released Version	Compatible Versions	Storage Location
SHIP Services			
• SHIP Connector	1.1.12	1.1.10.1 (SHIP_1.0.4 / 19/02.04) 1.1.11 (SHIP_1.1.0 / 19/03)	SHIP-standard
• SHIP Connector Database	same mySQL		part of SHIP Connector
• SHIP RAC	1.2.0		SHIP-standard
• SHIP RAC Database	same existdb		part of SHIP RAC
• LDAP / AD Interface			part of SHIP RAC
• Central Services	1.1.1	1.1.1	part of SHIP Infrastructure
• Business Rules pro Messagetype	1.2.3	1.2.3	part of SHIP Connector (from Central Service)
• Referencedata ValueSet	1.0	1.0	part of SHIP Connector (from Central Service)
• UI Configuration per Messagetype	1.2.0	1.2.1 1.2.2	part of SHIP RAC (from Central Service)
• API Interface Admin API	1.0		part of SHIP Connector
• API Interface Sender API	1.0		part of SHIP Connector
• API Interface Central Service API	1.0		part of SHIP Connector

• API Interface Receiver API	1.0		part of SHIP Connector
Documentation			
• eCH-0234 – SHIP Data standard benefit cases Administration Healthcare	1.0		eCH
• eCH-0235 – SHIP Message standard	1.0		eCH
• eCH-0236 – SHIP Process standard "Hospital stationary"	1.0		eCH
• eCH-0237 – SHIP Process standard «Care»	1.1		eCH
• Data-privacy concept	1.0		SHIP-services
• IT Security-Concept	1.7		only on demand
• application regulations	7.0.0		SHIP-standard
• Message specification	1.0.0.3		SHIP-standard
• RAC User Guide	1.1.1		SHIP-services
Third-Party-Produkte			
mySQL - Windows	5.7.19		part of SHIP Connector
mySQL - Linux	5.7		part of SHIP Connector
eXistDB	5.1.1		part of SHIP RAC
Java - Windows	8		
OpenJDK - Linux	8		

the Colored Objects are available in a new Version.

RED are mandatory changes

YELLOW Changes should be adapted.

GREEN Changes can be adapted