



HL7 Version 2.7.1 Implementation Guide:
Message Transformations with OASIS Tracking of Emergency
Patients (TEP), Release 1

July 2016

HL7 Informative Document

Sponsored by:
Public Health and Emergency Response Work Group
Patient Care Work Group

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Bi-directional Transformation of OASIS EDXL-TEP (Tracking of Emergency Patients) v1.1 and HL7 v2.7.1 Specification Version 1.0

Committee Note 01

31 May 2016

Specification URIs

This version:

<http://docs.oasis-open.org/emergency/TEP-HL7v3-transforms/v1.0/cn01/TEP-HL7v3-transforms-v1.0-cn01.doc> (Authoritative)

<http://docs.oasis-open.org/emergency/TEP-HL7v3-transforms/v1.0/cn01/TEP-HL7v3-transforms-v1.0-cn01.html>

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Previous version:

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<http://docs.oasis-open.org/emergency/TEP-HL7v3-transforms/v1.0/TEP-HL7v3-transforms-v1.0.doc> (Authoritative)

<http://docs.oasis-open.org/emergency/TEP-HL7v3-transforms/v1.0/TEP-HL7v3-transforms-v1.0.html>

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Additional artifacts:

This document is one component of a Work Product that also includes:

- TEPv1.1-HL7v2.7.1-Transforms:
<http://docs.oasis-open.org/emergency/TEP-HL7v3-transforms/v1.0/cn01/TEPv1.1-HL7v2.7.1-Transforms-v1.0.xls>

Related work:

This document is related to:

- HL7 V2.7.1: http://www.hl7.org/documentcenter/private/standards/v271/V271_FinalStandard_Word_and_PDF.zip
 - HL7 Patient Administration (ADT) message (Chapter 3)
 - HL7 Pharmacy/Treatment Administration (RAS) message (Chapter 4a) related documents
- *OASIS Emergency Data Exchange Language (EDXL) Tracking of Emergency Patients (TEP) Version 1.1*. Latest version: <http://docs.oasis-open.org/emergency/edxl-tep/v1.1/edxl-tep-v1.1.html>
- *Emergency Data Exchange Language (EDXL) Distribution Element, v1.0*. OASIS Standard. http://docs.oasis-open.org/emergency/edxl-de/v1.0/EDXL-DE_Spec_v1.0.pdf
- *Emergency Data Exchange Language (EDXL) Distribution Element Version 2.0*. OASIS Standard. <http://docs.oasis-open.org/emergency/edxl-de/v2.0/cs02/edxl-de-v2.0-cs02.html>

Abstract:

This document provides context in the use of the " TEPv1.1-HL7v2.7.1-Transforms-v1.0.xls " Spreadsheet. This document in conjunction with the referenced .xls file provides a guide for accurate mapping and transforms between the OASIS EDXL-TEP (Emergency Data Exchange Language - Tracking of Emergency Patients) V1.1 standard used in the emergency services setting, and the HL7 V2.7.1 ADT / RAS messages used in the healthcare setting.

OASIS EDXL-TEP is an OASIS Emergency Management Technical Committee (EM-TC) international public standard that enables emergency patient tracking data exchange between the myriad of systems used by Emergency Management (EM) and Emergency Medical Services (EMS). Patient movement, condition, and care are tracked and shared throughout the emergency continuum of care, from initial encounter with emergency services to the point of admittance to a healthcare facility.

HL7 V2.7.1 ADT (Admit, Discharge and Transfer) message is an international public standard that enables hospital patient tracking data exchange between the various hospital systems involved in patient admission, transfer and discharge.

HL7 V2.7.1 RAS (Pharmacy/Treatment Administration) message is may be created by the administering application (e.g., nursing application) for each instance of administration for an existing pharmacy or treatment order.

The purpose of this effort is to:

- Improve and speed and content of communication between the emergency response community and hospitals, and between hospitals in a disaster situation
- Increase ER preparation for incoming emergency patients
- Improve continuity of patient care
- Enhance the Common Operating Picture (COP)
- Facilitate collaboration and coordination
- Assist data exchange implementation

This specification provides a mechanism for hospitals/EDs to track incoming patients from emergency services in the field via existing HL7 conformant systems. It also includes the specification for transforming an HL7 V2.7.1 message to an EDXL-TEP message if a patient must be transported from the healthcare facility by emergency services to another healthcare facility (e.g. Hospital Evacuation).

This transformation specification provides an ontological matching between EDXL-TEP v1.1 and HL7 V2.7.1 ADT/RAS messages, including concepts, vocabulary, type conversions, and transformation rules. It is used to produce

bidirectional data transforms between EDXL-TEP and HL7 messages useful in both normal operations and in emergency situations.

Status:

This document was last revised or approved by the OASIS Emergency Management TC on the above date. The level of approval is also listed above. Check the “Latest version” location noted above for possible later revisions of this document.

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Citation format:

When referencing this document the following citation format should be used:

[TEP-HL7-transform]

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