Foreword

This is a supplement to the forthcoming IHE Endoscopy Technical Framework. Each supplement undergoes a process of public comment and trial implementation before being incorporated into the volumes of the Technical Frameworks.

This supplement is published on November 28, 2018 for trial implementation and may be available for testing at subsequent IHE Connectathons. The supplement may be amended based on the results of testing. Following successful testing it will be incorporated into the forthcoming Endoscopy Technical Framework. Comments are invited and may be submitted at https://www.ihe.net/Endoscopy_Public_Comments.

This supplement describes changes to the existing technical framework documents.

“Boxed” instructions like the sample below indicate to the Volume Editor how to integrate the relevant section(s) into the relevant Technical Framework volume.

Amend Section X.X by the following:

Where the amendment adds text, make the added text **bold underline**. Where the amendment removes text, make the removed text **bold strikethrough**. When entire new sections are added, introduce with editor’s instructions to “add new text” or similar, which for readability are not bolded or underlined.

General information about IHE can be found at www.ihe.net.

Information about the IHE Endoscopy domain can be found at http://www.ihe.net/IHE_Domains.

Information about the organization of IHE Technical Frameworks and Supplements and the process used to create them can be found at http://www.ihe.net/IHE_Process and http://www.ihe.net/Profiles.

The current version of the IHE Endoscopy Technical Framework can be found at http://www.ihe.net/Technical_Frameworks.
CONTENTS

Introduction to this Supplement ...................................................................................................... 5
Open Issues and Questions ................................................................................................................ 5
Closed Issues ................................................................................................................................ 5
General Introduction .......................................................................................................................... 6
Appendix A – Actor Summary Definitions ..................................................................................... 6
Appendix B – Transaction Summary Definitions ........................................................................... 6
Appendix D – Glossary ....................................................................................................................... 6

Volume 1 – Profiles .......................................................................................................................... 7
Copyright Licenses ......................................................................................................................... 7
Domain-specific additions ................................................................................................................ 7
X Endoscopy Report and Pathology Order (ERPO) Profile ........................................................... 7
X.1 ERPO Actors, Transactions, and Content Modules .................................................................... 7
X.1.1 Actor Descriptions and Actor Profile Requirements ........................................................... 9
X.2 ERPO Actor Options .................................................................................................................. 9
X.3 ERPO Required Actor Groupings ............................................................................................. 9
X.4 ERPO Overview .......................................................................................................................... 10
X.4.1 Concepts ................................................................................................................................ 10
X.4.2 Use Cases .................................................................................................................................. 10
X.4.2.1 Use Case #1: Endoscopy basic report workflow ............................................................. 10
X.4.2.1.1 Endoscopy Basic Workflow Use Case Description .................................................. 10
X.4.2.1.2 Endoscopy Basic Report Workflow Process Flow .................................................... 10
X.5 ERPO Security Considerations ................................................................................................. 11
X.6 ERPO Cross Profile Considerations ....................................................................................... 12

Appendices ....................................................................................................................................... 13
Appendix A – The relationship between the Implementation Roadmap and the Integration Profile of IHE Endoscopy ......................................................................................................................... 13

Volume 2 – Transactions .................................................................................................................. 15
3.3 Notify Observation Report [ENDO-3] ....................................................................................... 15
3.3.1 Scope ...................................................................................................................................... 15
3.3.2 Actor Roles ............................................................................................................................. 15
3.3.3 Referenced Standards ............................................................................................................. 16
3.3.4 Interaction Diagram .............................................................................................................. 16
3.3.4.1 MDM/ACK^T02 Original Documentation Notification .................................................. 16
3.3.4.1.1 Trigger Events ........................................................................................................ 16
3.3.4.1.2 Message Semantics .................................................................................................. 16
3.3.4.1.2.1 TXA .................................................................................................................... 17
3.3.4.1.2.1.1 TXA filed definitions .................................................................................... 18
3.3.4.1.3 Expected Actions .................................................................................................... 19
3.3.5 Security Considerations ....................................................................................................... 19
3.6 Notify Endoscopy Status [ENDO-6] ....................................................................................... 19
3.6.1 Scope .......................................................................................................................... 19
3.6.2 Actor Roles.................................................................................................................. 19
3.6.3 Referenced Standards ............................................................................................... 20
3.6.4 Interaction Diagram ................................................................................................. 20
  3.6.4.1 MDM/ACK^T01 Original Documentation Notification .................................... 20
    3.6.4.1.1 Trigger Events ............................................................................................ 20
    3.6.4.1.2 Message Semantics ..................................................................................... 20
  3.6.4.1.3 Expected Actions ........................................................................................ 21
  3.6.4.2 ACK .................................................................................................................. 21
    3.6.4.2.1 Trigger Events ............................................................................................ 21
    3.6.4.2.2 Message Semantics ..................................................................................... 21
    3.6.4.2.3 Expected Actions ........................................................................................ 22
3.6.5 Security Considerations ............................................................................................ 22
Appendices ............................................................................................................................ 23
Volume 2 Namespace Additions .......................................................................................... 23
Volume 3 – Content Modules .............................................................................................. 24
Appendices ............................................................................................................................ 25
Volume 3 Namespace Additions .......................................................................................... 25
Volume 4 – National Extensions .......................................................................................... 26
Introduction to this Supplement

The Endoscopy Report and Pathology Order Profile defines specific implementations of established standards to achieve integration goals for endoscopy. Such integration promotes appropriate sharing of medical information to support optimal patient care.

The IHE Endoscopy Integration Profiles rely heavily on, and reference, the transactions defined in those other IHE Technical Framework documents.

Open Issues and Questions

None

Closed Issues

None
General Introduction

Update the following Appendices to the General Introduction as indicated below. Note that these are not appendices to Volume 1.

Appendix A – Actor Summary Definitions

Add the following new actors to the IHE Technical Frameworks General Introduction list of Actors:

<table>
<thead>
<tr>
<th>Actor</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report Creator</td>
<td>The actor that creates endoscopy observation report and send it to Order Placer.</td>
</tr>
</tbody>
</table>

Appendix B – Transaction Summary Definitions

Add the following new transactions to the IHE Technical Frameworks General Introduction list of Transactions:

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notify Observation Report [ENDO-3]</td>
<td>The transaction that provides endoscopy observation report.</td>
</tr>
<tr>
<td>Notify Endoscopy Status [ENDO-6]</td>
<td>The transaction that notifies the completion of the endoscopy observation report.</td>
</tr>
</tbody>
</table>

Appendix D – Glossary

Add the following new glossary terms to the IHE Technical Frameworks General Introduction Glossary:

None
Volume 1 – Profiles

Copyright Licenses

Add the following to the IHE Technical Frameworks General Introduction Copyright section:

This section is not applicable.

Domain-specific additions

This section is not applicable.

Add new Section X

X Endoscopy Report and Pathology Order (ERPO) Profile

The Endoscopy Report and Pathology Order workflow specifies a series of workflows where endoscopy is conducted on the order from the hospital information system located outside of the endoscopy department and the endoscopy report returned to the system.

The Order Filler (OF) receives an order from the Order Placer (OP) to administer an endoscopy. This process is defined as EWF. When the endoscopy procedure is over, the OF notifies the OP located outside of the endoscopy department of the endoscopy observation report to create a pathology order as necessary.

We also considered returning status of “Endoscopy report creation was done” to OP independently from the status of Endoscopy report by “Notify Observation Report” transaction.

The end period of the Endoscopy examination is considered when both of Observation Report Notification in this profile and Performed Procedure Information Notification in EWF Profile are completed.

X.1 ERPO Actors, Transactions, and Content Modules

This section defines the actors, transactions, and/or content modules in this profile. General definitions of actors are given in the Technical Frameworks General Introduction Appendix A at https://www.ihe.net/resources/technical_frameworks/#GenIntro.

Figure X.1-1 shows the actors directly involved in the ERPO Profile and the relevant transactions between them. If needed for context, other actors that may be indirectly involved due to their participation in other related profiles are shown in dotted lines. Actors which have a mandatory grouping are shown in conjoined boxes.
Note: The Order Placer in this profile has a function to analyze the endoscopy observation report to know if pathology order is necessary. It also takes necessary information from the endoscopy observation report to make a pathology order and places a pathology order.

Table X.1-1 lists the transactions for each actor directly involved in the ERPO Profile. To claim compliance with this profile, an actor shall support all required transactions (labeled “R”) and may support the optional transactions (labeled “O”).

<table>
<thead>
<tr>
<th>Actors</th>
<th>Transactions</th>
<th>Optionality</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Filler</td>
<td>Fill Endoscopy Order [ENDO-5]</td>
<td>C</td>
<td>ENDO TF-2: 3.5</td>
</tr>
<tr>
<td></td>
<td>Notify Endoscopy Status [ENDO-6]</td>
<td>C</td>
<td>ENDO TF-2: 3.6</td>
</tr>
<tr>
<td></td>
<td>Fill Endoscopy Order [ENDO-5]</td>
<td>C</td>
<td>ENDO TF-2: 3.5</td>
</tr>
<tr>
<td></td>
<td>Notify Endoscopy Status [ENDO-6]</td>
<td>C</td>
<td>ENDO TF-2: 3.6</td>
</tr>
</tbody>
</table>

Note: In the table above, the transactions labeled “R” are required. The transactions labeled “C” are conditionally required with the condition of second stage implementation as described in Appendix A.
X.1.1 Actor Descriptions and Actor Profile Requirements
Most requirements are documented in Transactions (Volume 2) and Content Modules (Volume 3). This section documents any additional requirements on profile’s actors.

X.2 ERPO Actor Options
Options that may be selected for each actor in this profile, if any, are listed in the Table X.2-1. Dependencies between options when applicable are specified in notes.

<table>
<thead>
<tr>
<th>Actor</th>
<th>Option Name</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Placer</td>
<td>No options defined</td>
<td>--</td>
</tr>
<tr>
<td>Order Filler</td>
<td>No options defined</td>
<td>--</td>
</tr>
<tr>
<td>Report Creator</td>
<td>No options defined</td>
<td>--</td>
</tr>
</tbody>
</table>

X.3 ERPO Required Actor Groupings
An actor from this profile (column 1) shall implement all of the required transactions and/or content modules in this profile in addition to all of the transactions required for the grouped actor (column 2).

If this is a content profile, and actors from this profile are grouped with actors from a workflow or transport profile, the Content Bindings reference column references any specifications for mapping data from the content module into data elements from the workflow or transport transactions.

In some cases, required groupings are defined as at least one of an enumerated set of possible grouped actors; this is designated by merging column one into a single cell spanning multiple potential grouped actors. Notes are used to highlight this situation.

Section X.5 describes some optional groupings that may be of interest for security considerations and Section X.6 describes some optional groupings in other related profiles.

<table>
<thead>
<tr>
<th>ERPO Actor</th>
<th>Actor to be grouped with</th>
<th>Reference</th>
<th>Content Bindings Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Placer</td>
<td>None</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Order Filler</td>
<td>None</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Report Creator</td>
<td>None</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
X.4 ERPO Overview

X.4.1 Concepts

This section is not applicable.

X.4.2 Use Cases

X.4.2.1 Use Case #1: Endoscopy basic report workflow

The use case represents the basic report workflow. It includes the information process of endoscopy order, clinical observation report notification and actors’ status information.

X.4.2.1.1 Endoscopy Basic Workflow Use Case Description

The following workflow shows the process of an endoscopy examination that includes ordering, endoscopy procedure and finally submits observation report. Endoscopy is scheduled on the order that Order Placer generates and the information that is required to make a pathology order is sent from Report Creator to Order Placer on the completion of the observation report. Upon the completion of the observation report, the Report Creator provides the observation report to the Order Placer. Then the Order Filler identifies the Exam End when it receives the task completion notification from the Report Creator.

X.4.2.1.2 Endoscopy Basic Report Workflow Process Flow
X.5 ERPO Security Considerations

The security considerations for a content module are dependent upon the security provisions defined by the grouped actor(s).
X.6 ERPO Cross Profile Considerations

EWF- Endoscopy Ordering Workflow
Order Placer and Order Filler in Endoscopy Ordering Workflow have to be grouped with an Order Placer and an Order Filler in order to manage ordering information.

PAM – Patient Administration Management
Patient Demographics Consumer and Patient Encounter Consumer in Patient Administration Management could be grouped with an Order Placer and an Order Filler in order to manage patient demographics.

PDQ – Patient Demographics Query
Patient Demographics Consumer and Patient Encounter Consumer in Patient Demographics Query could be grouped with an Order Placer and an Order Filler in order to manage patient demographics.

CT – Consistent Time
Time Client in Consistent Time could be grouped with an Order Placer, an Order Filler and Report Creator in order to synchronize the entire system.
Appendices

Appendix A – The relationship between the Implementation Roadmap and the Integration Profile of IHE Endoscopy

The integration profile based on the originally-defined Endoscopy Workflow included every necessary process in one integration profile. Ultimately, the goal of the current integration profile is the same as that of the original profile.

However, since there are cases where the implementation progresses in steps the profile needed to reflect these progressive aspects as well as implementation of the system as a whole. The order of priority was difficult to determine when the integration profile was defined as one large profile covering entire workflow and when each of the component transactions were regarded as being required.

Therefore, we have decided to present a Implementation Roadmap, in which the integration profile was divided. The Implementation Roadmap is a three-stage process as shown below.

Goal: A smoothly run system where communication between actors is standardized and both internal and external departments are linked organically.

1. First, the location of endoscopy should be defined throughout the whole hospital system.

First stage
Standardization of data handling between departments and the hospital information system

Second stage
Standardization of the report system used in the department

Third Stage
Standardization of the imaging system used in the department

Figure A-1: Implementation Roadmap
In the first stage, the workflow focusing on data handling between department system and the hospital information system was defined. In order for a smooth and manageable introduction of the IT system throughout the whole hospital, priority should be given to general data handling, such as how orders are treated and how information from departments is received, rather than focusing on department specific requirement. The required transactions defined in the Endoscopy Workflow (EWF) Profile represent this stage.

In the second stage, the workflow focusing on the data handling of procedure reports within departments was defined. An endoscopy is completed when the report is filled in. Considering the total flow comprising the whole endoscopy procedure, the report workflow is, after the workflow between departments and the hospital information system, most important. The Endoscopy Report and Pathology Order (ERPO) Profile represents this stage where those transactions are defined as conditional.

The endoscopy examination includes steps where an order is received, the procedure carried out and an observation report generated. These steps are considered as a workflow since once a reporting procedure has been completed, the workflow is considered as completed. However, the reporting part is defined as conditional because the report is considered as the second stage in the above Implementation Roadmap.

Finally, the third stage defines a workflow focusing on the image information communication which is acquired during the endoscopic procedure. The Endoscopy Image Archiving (EIA) Profile is made up of the transactions which correspond to this stage.
Volume 2 – Transactions

Add Section 3.3

3.3 Notify Observation Report [ENDO-3]

During endoscopy examination, when physician performs biopsy, pathology order should be necessary. This transaction specifies a procedure to send an endoscopy report (including all necessary information for the pathology order) from the department system to the hospital information system (HIS), to trigger the provision of information for the HIS to perform the pathology order.

3.3.1 Scope

This transaction used by the Report Creator provides the observation report to the Pathology Order Trigger Receiver. (Pathology Order Trigger Receiver is expected to analyze the report to find if pathology order is necessary and notify the result to the order placer. However the expectation is out of scope of this document.)

3.3.2 Actor Roles

![Use Case Diagram]

**Table 3.3.2-1: Actor Roles**

<table>
<thead>
<tr>
<th>Actor</th>
<th>Report Creator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role</td>
<td>Provide the observation report to the Order Placer.</td>
</tr>
<tr>
<td>Actor</td>
<td>Order Placer</td>
</tr>
<tr>
<td>Role</td>
<td>Receive the observation report that Report Creator issued, analyze it so that Order Placer places relating order (e.g., pathology order).</td>
</tr>
</tbody>
</table>
3.3.3 Referenced Standards

HL7®1 Ver2.5 Chapter 9.5.2

3.3.4 Interaction Diagram

![Figure 3.3.4-1: Use Case Diagram](image)

Note: Simple acknowledgment messages are omitted from the diagrams for brevity.

3.3.4.1 MDM/ACK^T02 Original Documentation Notification

The original documentation notification message (MDM) is used for providing the observation report. The segment and syntax rules in this case are as follows.

3.3.4.1.1 Trigger Events

T02: Original documentation notification

3.3.4.1.2 Message Semantics

<table>
<thead>
<tr>
<th>MDM^T02^MDM_T02</th>
<th>Original Document Notification &amp; Content</th>
<th>Status</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSH</td>
<td>Message Header</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>EVN</td>
<td>Event Type</td>
<td>B, v2.5</td>
<td>3</td>
</tr>
<tr>
<td>PID</td>
<td>Patient Identification</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PV1</td>
<td>Patient Visit</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>{}</td>
<td>--- COMMON_ORDER begin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

1 HL7 is the registered trademark of Health Level Seven International.
### ORC Common order segment

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TQ1</td>
<td>Timing/Quantity</td>
</tr>
<tr>
<td>{[TQ2]}</td>
<td>Timing/Quantity Order Sequence</td>
</tr>
</tbody>
</table>

--- TIMING end

### OBR Observation request segment

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTE</td>
<td>Notes and comments about the observation (OBR)</td>
</tr>
</tbody>
</table>

--- COMMON_ORDER end

### TXA Document Notification

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBX</td>
<td>Observation/Result (one or more required)</td>
</tr>
<tr>
<td>NTE</td>
<td>Notes and comments about the observation (OBX)</td>
</tr>
</tbody>
</table>

--- COMMON_ORDER end

### ACK General Acknowledgment

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSH</td>
<td>Message Header</td>
</tr>
<tr>
<td>MSA</td>
<td>Message Acknowledgment</td>
</tr>
<tr>
<td>ERR</td>
<td>Error Information</td>
</tr>
</tbody>
</table>

---

320

- The output unit that confirms the arrival requires a MSH at the head.
- PID and PV1 are required.
- OBX is required to store document files complying with HL7 CDA®2 R2.

### 3.3.4.1.2.1 TXA

325

The TXA segment contains information specific to a transcribed document but does not include the text of the document. The message is created as a result of a document status change. This

---

2 CDA is the registered trademark of Health Level Seven International.
information updates other healthcare systems and allows them to identify reports that are available in the transcription system. By maintaining the TXA message information in these systems, the information is available when constructing queries to the transcription system requesting the full document text.

### Table 3.3.4.1.2.1-1: HL7 Attribute Table - TXA – Transcription Document Header

<table>
<thead>
<tr>
<th>SEQ</th>
<th>LEN</th>
<th>DT</th>
<th>OPT</th>
<th>RP/#</th>
<th>TBL #</th>
<th>ITEM#</th>
<th>ELEMENT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>SI</td>
<td>R</td>
<td></td>
<td></td>
<td>00914</td>
<td>Set ID- TXA</td>
</tr>
<tr>
<td>2</td>
<td>30</td>
<td>IS</td>
<td>R</td>
<td></td>
<td>0270</td>
<td>00915</td>
<td>Document Type</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>ID</td>
<td>C</td>
<td>0191</td>
<td></td>
<td>00916</td>
<td>Document Content Presentation</td>
</tr>
<tr>
<td>4</td>
<td>26</td>
<td>TS</td>
<td>O</td>
<td></td>
<td></td>
<td>00917</td>
<td>Activity Date/Time</td>
</tr>
<tr>
<td>5</td>
<td>250</td>
<td>XC N</td>
<td>C</td>
<td>Y</td>
<td></td>
<td>00918</td>
<td>Primary Activity Provider Code/Name</td>
</tr>
<tr>
<td>6</td>
<td>26</td>
<td>TS</td>
<td>O</td>
<td></td>
<td></td>
<td>00919</td>
<td>Origination Date/Time</td>
</tr>
<tr>
<td>7</td>
<td>26</td>
<td>TS</td>
<td>C</td>
<td></td>
<td></td>
<td>00920</td>
<td>Transcription Date/Time</td>
</tr>
<tr>
<td>8</td>
<td>26</td>
<td>TS</td>
<td>O</td>
<td>Y</td>
<td></td>
<td>00921</td>
<td>Edit Date/Time</td>
</tr>
<tr>
<td>9</td>
<td>250</td>
<td>XC N</td>
<td>O</td>
<td>Y</td>
<td></td>
<td>00922</td>
<td>Originator Code/Name</td>
</tr>
<tr>
<td>10</td>
<td>250</td>
<td>XC N</td>
<td>O</td>
<td>Y</td>
<td></td>
<td>00923</td>
<td>Assigned Document Authenticator</td>
</tr>
<tr>
<td>11</td>
<td>250</td>
<td>XC N</td>
<td>C</td>
<td>Y</td>
<td></td>
<td>00924</td>
<td>Transcriptionist Code/Name</td>
</tr>
<tr>
<td>12</td>
<td>30</td>
<td>EI</td>
<td>R</td>
<td></td>
<td></td>
<td>00925</td>
<td>Unique Document Number</td>
</tr>
<tr>
<td>13</td>
<td>30</td>
<td>EI</td>
<td>C</td>
<td></td>
<td></td>
<td>00926</td>
<td>Parent Document Number</td>
</tr>
<tr>
<td>14</td>
<td>22</td>
<td>EI</td>
<td>O</td>
<td>Y</td>
<td></td>
<td>00216</td>
<td>Placer Order Number</td>
</tr>
<tr>
<td>15</td>
<td>22</td>
<td>EI</td>
<td>O</td>
<td></td>
<td></td>
<td>00217</td>
<td>Filler Order Number</td>
</tr>
<tr>
<td>16</td>
<td>30</td>
<td>ST</td>
<td>O</td>
<td></td>
<td></td>
<td>00927</td>
<td>Unique Document File Name</td>
</tr>
<tr>
<td>17</td>
<td>2</td>
<td>ID</td>
<td>R</td>
<td></td>
<td>0271</td>
<td>00928</td>
<td>Document Completion Status</td>
</tr>
<tr>
<td>18</td>
<td>2</td>
<td>ID</td>
<td>O</td>
<td></td>
<td>0272</td>
<td>00929</td>
<td>Document Confidentiality Status</td>
</tr>
<tr>
<td>19</td>
<td>2</td>
<td>ID</td>
<td>O</td>
<td></td>
<td>0273</td>
<td>00930</td>
<td>Document Availability Status</td>
</tr>
<tr>
<td>20</td>
<td>2</td>
<td>ID</td>
<td>O</td>
<td></td>
<td>0275</td>
<td>00932</td>
<td>Document Storage Status</td>
</tr>
<tr>
<td>21</td>
<td>30</td>
<td>ST</td>
<td>C</td>
<td></td>
<td></td>
<td>00933</td>
<td>Document Change Reason</td>
</tr>
<tr>
<td>22</td>
<td>250</td>
<td>PPN</td>
<td>C</td>
<td>Y</td>
<td></td>
<td>00934</td>
<td>Authentication Person, Time Stamp</td>
</tr>
<tr>
<td>23</td>
<td>250</td>
<td>XC N</td>
<td>O</td>
<td>Y</td>
<td></td>
<td>00935</td>
<td>Distributed Copies (Code and Name of Recipients)</td>
</tr>
</tbody>
</table>

#### 3.3.4.1.2.1.1 TXA filed definitions

See HL7 Ver 2.5 Section 9.6.1 “TXA-Transcription Document Header Segment”.

---

Template Rev. 10.3
3.3.4.1.3 Expected Actions
This section is not applicable.

3.3.5 Security Considerations
None

Add Section 3.6

3.6 Notify Endoscopy Status [ENDO-6]
This transaction enables the Endoscopy Report Creator to send a message to notify the OF of the completion of the endoscopy observation report. Endoscopy examination is considered that it is completed upon the completion of endoscopy report and the completion of performed procedure information notification [ENDO-4]. Thus, OF in receiving both messages is acknowledging that the endoscopy examination has been completed.

3.6.1 Scope
This section is not applicable.

3.6.2 Actor Roles

<table>
<thead>
<tr>
<th>Actor</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Filler</td>
<td>Order Filler</td>
</tr>
<tr>
<td></td>
<td>Receive endoscopy status information that Report Creator provided.</td>
</tr>
<tr>
<td>Report Creator</td>
<td></td>
</tr>
</tbody>
</table>

**Figure 3.6.2-1: Use Case Diagram**

**Table 3.6.2-1: Actor Roles**
Role: Provide endoscopy status information.

Transaction text specifies behavior for each role. The behavior of specific actors may also be specified when it goes beyond that of the general role.

### 3.6.3 Referenced Standards

HL7 Ver2.5 Chapter 9.5.1

### 3.6.4 Interaction Diagram

![Use Case Diagram](image)

**Figure 3.6.4-1: Use Case Diagram**

Note: Simple acknowledgment messages are omitted from the diagrams for brevity.

### 3.6.4.1 MDM/ACK^T01 Original Documentation Notification

The original documentation notification (MDM) is used for notifying the status of the endoscopy observation report. The event type is ‘T01’.

#### 3.6.4.1.1 Trigger Events

T01-A report notification message event is an event that notifies an endoscopy observation report status.

#### 3.6.4.1.2 Message Semantics

<table>
<thead>
<tr>
<th>MDM^T01^MDM_T01</th>
<th>Original Document Notification &amp; Content</th>
<th>Status</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSH</td>
<td>Message Header</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>EVN</td>
<td>Event Type</td>
<td>B, v2.5</td>
<td>3</td>
</tr>
</tbody>
</table>
The output unit that confirms the arrival requires a MSH at the head.

PID and PV1 are required.

### 3.6.4.1.3 Expected Actions

This section is not applicable.

### 3.6.4.2 ACK

#### 3.6.4.2.1 Trigger Events

This section is not applicable.

#### 3.6.4.2.2 Message Semantics

<table>
<thead>
<tr>
<th>ACK^T01^ACK</th>
<th>General Acknowledgment</th>
<th>Status</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSH</td>
<td>Message Header</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MSA</td>
<td>Message Acknowledgment</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>{{ ERR }}</td>
<td>Error Information</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Note: [ ] indicates optional items, { } indicates repeatable items.
3.6.4.2.3 Expected Actions
This section is not applicable.

3.6.5 Security Considerations
This section is not applicable.
Appendices

None

Volume 2 Namespace Additions

Add the following terms to the IHE General Introduction Appendix G:

None
Volume 3 – Content Modules

400

This section is not applicable.
Appendices

None

Volume 3 Namespace Additions

None
Volume 4 – National Extensions

415 This section is not applicable.