

INGENIX®

277 Health Care Claim Status Request Educational Guide

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Disclaimer

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INGENIX employees, agents, and staff make no representation, warranty, or guarantee that this compilation of data is error-free and will bear no responsibility or liability for the results or consequences of the use of this guide. This document explains certain aspects of the 4010A1 and 5010 conversion specifications by INGENIX, but is not a legal document.

Note: The information documented was current as of February 2010.

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Introduction

INGENIX is publishing this *Electronic Data Interchange (EDI) 277 Educational Guide* for the **ASC X12N Health Care Claim Status Response Transaction Set**.

The *Companion Guide* provides general information about EDI transmissions, such as delimiters, enveloping and related topics. This INGENIX *Educational Guide* will not duplicate these efforts, but instead will focus on the specific Segments and Elements which require additional attention when a conversion between the 4010A1 and 5010 formats is necessary.

The *Educational Guide* has been created in response to the HIPAA 5010 Mandate. This mandate, which goes into effect 1/1/2012, requires an interim transition period between conversion of the 4010A1 to the 5010 format. In order to ensure a smooth transition period, this guide provides the information necessary for a seamless conversion between the two versions by INGENIX and will improve the EDI transmissions during this period.

Please click on the link below to get to the *INGENIX Companion Guides*.

<http://www.ingenix.com/>

Preferences and Conventions

1. Trading Partner Agreements specify the terms and conditions by which transactions are exchanged electronically with INGENIX. This *Educational Guide* may be an addendum to a new or existing Trading Partner Agreement.
2. 4010A1 and 5010 versions cannot exist in the same file content.
3. 4010A1 and 5010 *Companion Guide* information still applies.

Description

Section 1- For X12 5010 Submitters ONLY (Payer 4010A1 to 5010 conversion)

This section is for submitters sending an X12 5010 276 real-time claim status request to any Payers that are on the X12 4010A1 format. Specifically, this guide will address the conversion rules that will occur to the Payer's 277 4010A1 response to those submissions. If the requests are not going to a 4010A1 Payer, Ingenix will not be converting the files and they will stay in the 5010 format.

Section 2 - For X12 4010A1 Submitters ONLY (Payer 5010 to 4010A1 conversion)

This section is for submitters sending an X12 4010A1 276 real-time claim status request to any Payers that are on the X12 5010 format. Specifically, this section of the guide will address the conversion rules that will occur to the Payer's 277 5010 response to those submissions. If the requests are not going to a 5010 Payer, Ingenix will not be converting the files and they will stay in the 4010A1 format.

Section 1 - For X12 5010 Submitter ONLY

4010A1 to 5010 Conversion Specifications – 277 Claim Status Response

The following table details Segments and data Elements that are different in 5010 compared to 4010A1, and will require INGENIX to do a conversion when receiving 4010A1 files from the Payers and sending 5010 files to submitters.

Loop				
Segment	Element	4010A1 Payer Outbound value	5010 Submitter Inbound value	Conversion Description
ISA – Interchange Control Header	ISA12 - Version Number	00401	00501	Change from the 4010A1 version number to the 5010 version number.
GS – Functional Group Header	GS08 – Code Identifier	004010X093A1	005010X212	Change the Code Identifier from the 4010A1 value to the 5010 value
ST – Transaction Set Header	ST03 - Implementation Convention Reference		005010X212	New Element in 5010 - Default to 005010X212
BHT – Beginning of Hierarchical Transaction	BHT03 – Reference Identification			277 Response will contain the value from the 276 request.
BHT – Beginning of Hierarchical Transaction	BHT05 - Time	Not Used	Required	With this Element now required in 5010, it will be populated with the current system time.
2100A – Payer Name Loop				
NM1 - Payer Name	Loop Repeat Changes	Loop Repeat >1	Loop Repeat 1	The first iteration of the Loop will be sent.
NM1 - Payer Name	NM108 - Identification Code Qualifier	21 AD FI NI PP	PI	The code values listed were deleted in 5010. If those code values are received, they will be mapped to PI.
2100B – Information Receiver Name Loop				
NM1 - Information Receiver Name	Loop Repeat Changes	Loop Repeat >1	Loop Repeat 1	The first iteration of the Loop will be sent.

Loop				
Segment	Element	4010A1 Payer Outbound value	5010 Submitter Inbound value	Conversion Description
NM1 - Information Receiver Name	NM108 - Identification Code Qualifier	FI XX	46	The code values listed were deleted in 5010. If received will map both code values to 46.
2100C – Provider Name Loop				
NM1 - Provider Name	Loop Repeat Changes	Loop Repeat > 1	Loop Repeat 2	Will send only 2 iterations of this Loop. INGENIX will evaluate the Loops to send one that has an NM108 value of “XX”. INGENIX is making an assumption that at least one of them will contain an NM108 value equal to “XX”.
2000D – Subscriber Level Loop				
DMG - Subscriber Demographic Information	Segment deleted		Segment deleted	The Segment doesn't exist in 5010. Will drop the Segment.
2100D – Subscriber Name Loop				
2100D Loop				There is a significant change in 5010 outlined in the 276/277 TR3 in 1.4.1.1 – Defining the “Patient” Participant. If the 2100E NM108 is present, will do a comparison between the 2100E NM109 value and the 2100D NM109 value. If they are different, the Dependent information will be moved to the Subscriber Loop. If it's the same, leave the Dependent Loop, and drop the Dependent NM108 and NM109 Elements.
NM1 - Subscriber Name	NM101 - Entity Identifier Code	QC	IL	The code value QC was deleted in 5010. If that value is received, it will be mapped to IL.
NM1 - Subscriber Name	NM108 - Identification Code Qualifier	ZZ	MI	The code value ZZ was deleted in 5010. If that value is received, it will be mapped to MI.
2200D – Claim Status Tracking Loop				

Loop				
Segment	Element	4010A1 Payer Outbound value	5010 Submitter Inbound value	Conversion Description
TRN - Claim Status Tracking Number	TRN02 - Current Transaction Trace Number	Length: 30	Length: 50	Will return the original 50 byte Element from the 276 request.
STC - Claim Level Status Information	STC08 - Remittance Date			There may or may not be a value in 4010A1 to satisfy the 5010 situational rule - Required when the remittance cycle is complete and this claim is included on a check or EFT that is reported in an 835 or paper remittance to the provider. Will pass whatever is in the 4010A1.
STC - Claim Level Status Information	STC09 - Remittance Trace Number			There may or may not be a value in 4010A1 to satisfy the 5010 situational rule - Required when the remittance cycle is complete and this claim is included on a check or EFT that is reported in an 835 or paper remittance to the provider. Will pass whatever is in the 4010A1.
REF - Patient Control Number	New Segment		New Segment	This is a new Segment in 5010. If there is a REF EJ Segment in the incoming 5010 276, will use that to create this REF Segment.
REF - Pharmacy Prescription Number	New Segment		New Segment	This is a new Segment in 5010. If there is a REF XZ Segment in the incoming 5010 276, will use that to create this REF Segment.
REF - Claim Identification Number For Clearinghouses And Other Transmission Intermediaries	New Segment		New Segment	This is a new Segment in 5010. If there is a REF D9 Segment in the incoming 5010 276, will use that to create this REF Segment
DTP - Claim Service Date	DTP01 - Date Time Qualifier	232	472	The code value 232 was deleted in 5010. If that value is received, it will be mapped to 472.
2220D – Service Line Information Loop				
SVC - Service Line Information	SVC01-1 - Product/Service ID Qualifier	CI, ID, N1, N2, N3, NH, ND, RB		The code values listed were deleted in 5010. If any of the deleted code values are received, will drop this iteration of the Loop.

Loop				
Segment	Element	4010A1 Payer Outbound value	5010 Submitter Inbound value	Conversion Description
SVC - Service Line Information	SVC07 – Units of Service Count	Situational	Required	This Element was changed from Situational to Required in 5010. A default value of 1 will be populated for 5010.
2000E – Dependent Level Loop				
DMG – Dependent Demographic Information	Segment deleted		Segment deleted	The Segment doesn't exist in 5010. Will drop the Segment.
2100E – Dependent Name Loop				
2100E Loop				<p>There is a significant change in 5010 outlined in the 276/277 TR3 in 1.4.1.1 – Defining the "Patient" Participant.</p> <p>If the 2100E NM108 is present, will do a comparison between the 2100E NM109 value and the 2100D NM109 value. If they are different, the Dependent information will be moved to the Subscriber Loop. If it's the same, leave the Dependent Loop, and drop the Dependent NM108 and NM109 Elements.</p>
2200E – Claim Status Tracking Loop				
REF - Patient Control Number	New Segment		New Segment	This is a new Segment in 5010. If there is a REF EJ Segment in the incoming 5010 276, will use that to create this REF Segment.
REF - Pharmacy Prescription Number	New Segment		New Segment	This is a new Segment in 5010. If there is a REF XZ Segment in the incoming 5010 276, will use that to create this REF Segment.
REF - Claim Identification Number For Clearinghouses And Other Transmission Intermediaries	New Segment		New Segment	This is a new Segment in 5010. If there is a REF D9 Segment in the incoming 5010 276, will use that to create this REF Segment
DTP - Claim Service Date	DTP01 - Date Time Qualifier	232	472	The code value 232 was deleted in 5010. If that value is received, it will be mapped to 472.
2210E – Service Line Information Loop				
SVC - Service Line Information	SVC01-1 - Product/Service ID Qualifier	CI, ID, N1, N2, N3, NH, ND, RB		<p>The code values listed were deleted in 5010.</p> <p>If any of the deleted code values are received, will drop this iteration of the Loop.</p>

Loop				
Segment	Element	4010A1 Payer Outbound value	5010 Submitter Inbound value	Conversion Description
SVC - Service Line Information	SVC07 – Units of Service Count	Situational	Required	This Element was changed from Situational to Required in 5010. A default value of 1 will be populated for 5010.

Section 2 - For X12 4010A1 Submitter ONLY

5010 to 4010A1 Conversion Specifications – 277 Claim Status Response

The following table details Segments and data Elements that require specific information for INGENIX to do a clear conversion when receiving 5010 files from the Payers and sending 4010A1 files to the submitters.

5010 note for conversion strategy.

In the 5010, there were two new Loops added with the following TR3 notes –

1. 2200B Information Receiver Trace Identifier
 - a. TR3 Notes – If reporting error status at this level, 2000C, 2000D, and 2000E Loops are not used.
2. 2200C Provider of Service Trace Identifier
 - a. TR3 Notes – If reporting error status at this level, the 2000D and 2000E Loops related to this provider are not used.

Based on these rules, if INGENIX receives a 5010 high level minimal 277 response reporting error status at the 2200B or 2200C level, during the conversion process from a 5010 to a 4010A1, INGENIX will supplement the conversion rules defined below, and return a more robust 4010A1 277 response including the 2000C, 2000D, and 2000E (if applicable) Loops. The data not available from the 5010 Payer response will be captured from the 4010A1 276 request. Any other Required Elements not available from the 276 will be populated with default values. For more detailed Segment creation information see **2200B Loop** and **2200C Loop** sections below.

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
ISA – Interchange Control Header	ISA12 - Version Number	00501	00401	Change from the 5010 version number to the 4010A1 version number.
GS – Functional Group Header	GS08 – Code Identifier	005010X212	004010X093A1	Change the Code Identifier from the 5010 value to the 4010A1 value
ST – Transaction Set Header	ST03 - Implementation Convention Reference	005010X212		New Element in 5010 – Will drop in 4010A1.
BHT – Beginning of Hierarchical Transaction	BHT03 – Reference Identification			277 Response will contain the INGENIX system reference number echoed back from the 276 Request. In the 4010A1 276, this Element is not used and because the BHT03 is required in 5010 it was populated with the INGENIX system reference number.
2100A – Payer Name Loop				
PER - Payer Contact Information	PER03 - PER05 - PER07 - Communication Number Qualifier			Will evaluate the PER03, PER05, and PER07 in an attempt to properly map ED, EM, or TE to PER03, properly map EX to PER05, and properly map EX or RX to PER07. If this cannot be accomplished, the Segment will be dropped.
2100B – Information Receiver Name Loop				
NM1 - Information Receiver Name	NM103 - Name Last or organization Name	Situational Length: 60	Required Length: 35	If this value is populated in 5010, the value will be truncated to 35 characters. Since this Element is required in the 4010A1, if it is not populated in 5010, it will be populated with a default value of "Information Receiver". INGENIX highly recommends that this Element be populated in a 5010 response.
2200B – Information Receiver Trace Identifier Loop				
2200B - Loop				If this Loop is received, the 2000C, 2000D, and 2000E Loops will not be returned, and are required in 4010A1. The following will occur – <ol style="list-style-type: none"> 1. Will create the 2000C Loop and HL Segment from the 276 request. 2. Will create the 2100C Loop, and NM1 Segment from the 276 request. 3. Will evaluate the 4010A1 276

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
				<p>request. If the request DOES NOT contain the 2000E Dependent Level Loop then –</p> <ol style="list-style-type: none"> a. Create the 2000D Subscriber Level Loop and the HL and DMG Segments from the 276 request. b. Create the 2100D Loop and NM1 Segment from the 276 request. c. Create the 2200D Loop and TRN Segment from the 276 request. d. Create the STC Segment mapping this Segments STC01 value to the Subscriber STC01 value. For the new 5010 STC01-3, and STC10-3 code values, see STC01-3 below. Map the STC02, STC10, and STC11 from this Segment to the Subscriber STC Segment. Map a 0 amount to both the STC04 and STC05. <p>4. Will evaluate the 4010A1 276 request. If the request DOES contain the 2000E Dependent Level Loop then –</p> <ol style="list-style-type: none"> a. Create the 2000D Subscriber Level Loop and the HL Segment from the 276 request. b. Create the 2100D Loop and NM1 Segment from the 276 request. c. Create the 2000E Dependent Level Loop and the HL Segment from the 276 request. d. Create the 2100E Loop and the NM1 Segment from the 276 request. e. Create the 2200E Loop and TRN Segment from the 276 request. f. Create the STC Segment, mapping this Segments' STC01 value to the Dependent STC01 value. For the

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
				new 5010 STC01-3, and STC10-3 code values, see STC01-3 below. Map the STC02, STC10, and STC11 from this Segment to the Dependent STC Segment. Map a 0 amount to both the STC04 and STC05.
2100C – Provider Name Loop				
NM1 - Provider Name	NM103 - Name Last or organization Name	Situational Length: 60	Required Length: 35	<p>If this value is populated in 5010, the value will be truncated to 35 characters. Since this Element is required in the 4010A1, if it is not populated in 5010, it will be populated with a default value of "Provider Name".</p> <p>INGENIX highly recommends that this Element be populated in a 5010 response.</p>
2200C – Provider of Service Trace Identifier Loop				
2200C Loop				<p>If this Loop is received, the 2000D and 2000E Loops will not be returned, and are required in 4010A1. The following will occur –</p> <ol style="list-style-type: none"> 1. Will evaluate the 4010A1 276 request. If the request DOES NOT contain the 2000E Dependent Level Loop then – <ol style="list-style-type: none"> 1. Will create the 2000D Subscriber Level Loop and the HL and DMG Segments from the 276 request. 2. Will create the 2100D Loop and NM1 Segment from the 276 request. 3. Will create the 2200D Loop and TRN Segment from the 276 request. 4. Will create the STC Segment, mapping this Segments' STC01 value to the Subscriber STC01 value. For the new 5010 STC01-3, and STC10-3 code values, see STC01-3 below. Map the STC02, STC10, and STC11 from this Segment to the

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
				<p>Subscriber STC Segment. Map a 0 amount to both the STC04 and STC05.</p> <p>2. Will evaluate the 4010A1 276 request. If the request DOES contain the 2000E Dependent Level Loop then –</p> <ol style="list-style-type: none"> 1. Will create the 2000D Subscriber Level Loop and the HL Segment from the 276 request. 2. Will create the 2100D Loop and NM1 Segment from the 276 request. 3. Will create the 2000E Dependent Level Loop and the HL Segment from the 276 request. 4. Will create the 2100E Loop and the NM1 Segment from the 276 request. 5. Will create the 2200E Loop and TRN Segment from the 276 request. 6. Will create the STC Segment, mapping this Segments' STC01 value to the Dependent STC01 value. For the new 5010 STC01-3, and STC10-3 code values, see STC01-3 below. Map the STC02, STC10, and STC11 from this Segment to the Dependent STC Segment. Map a 0 amount to both the STC04 and STC05.
2000D – Subscriber Level Loop				
DMG - Subscriber Demographic Information	Segment Deleted	Segment Deleted		Will return what was submitted in the 276 request. The DMG Segment could be in either the 2200D or 2200E Loop.
2100D – Subscriber Name Loop				
NM1 - Subscriber Name	NM108 - Identification Code Qualifier	II	MI	The code value II was added to 5010. If that value is received, it will be mapped to MI.

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
2200D – Claim Status Tracking Loop				
STC - Claim Level Status Information		Segment Repeat > 1	Segment Repeat 1	Will evaluate the STC01 Elements. If multiple STC Segments are received. Will return the first STC Segment where the STC01 Element does not contain an RX value. If all are RX Segments, then the first Segment will be sent back.
STC - Claim Level Status Information	STC01-3 - Entity Identifier Code	03 2D MSC PRP SEP TL TTP	G0 3I 6S IN IN 1X IN	The list code values were added to 5010. If received, will map 03 to G0, 2D to 3I, MSC to 6S, TL to 1X, PRP, SEP, and TTP to IN.
STC - Claim Level Status Information	STC04 - Total Claim Charge Amount	Situational	Required	Will send default 0 if it contains a blank.
STC - Claim Level Status Information	STC05 - Claim Payment Amount	Situational	Required	Will send default 0 if it contains a blank.
STC - Claim Level Status Information	STC07 - Payment Method Code	Element Deleted		Because this Element is unavailable in 5010, please refer to your remittance advice for payment method.
REF - Medical Record Information	Segment Deleted	Segment Deleted		If there is a REF EA Segment in the incoming 4010A1 276, will use that to create this REF Segment
DTP - Claim Service Date	DTP01 - Date Time Qualifier	472	232	The code value 472 was added in 5010. If that value is received, it will be mapped to 232.
DTP - Claim Service Date	DTP02 - Date Time Period Format Qualifier	D8	RD8	The code value qualifier D8 was added in 5010. If received, it will be mapped to RD8.
DTP - Claim Service Date	DTP03 - Claim Service Period	CCYYMMDD	CCYYMMDD- CCYYMMDD	The format of CCYYMMDD was added as a possible value in 5010. If a DTP02 value of D8 is received, will map DTP03 value to both start and end positions in the CCYYMMDD-CCYYMMDD format.
2210D – Service Line Information Loop				
SVC - Service Line Information	SVC01-1 - Product/Service ID Qualifier	ER WK		The code values listed were added in 5010. If any of the two added code values are received will drop this iteration of the Loop.
STC - Claim Level Status Information		Segment Repeat > 1	Segment Repeat 1	Will evaluate the STC01 Elements. If multiple STC Segments are received, will return the first STC Segment where the STC01 Element does not contain an RX value. If all are RX Segments, then send back the first one.

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
STC - Claim Level Status Information	STC01-3 - Entity Identifier Code	03 2D MSC PRP SEP, TL TTP GJ	G0 3I 6S IN IN 1X IN GI	The list code values were added to 5010. If received, will map 03 to G0, 2D to 3I, MSC to 6S, TL to 1X, GJ to GI, PRP, SEP, and TTP to IN.
DTP - Service Line Date	DTP02 - Date Time Period Format Qualifier	D8	RD8	The code value qualifier D8 was added in 5010. If received, it will be mapped to RD8.
DTP - Service Line Date	DTP03 - Claim Service Period	CCYYMMDD	CCYYMMDD- CCYYMMDD	The format of CCYYMMDD was added as a possible value in 5010. If a DTP02 value of D8 is received, will map DTP03 value to both start and end positions in the CCYYMMDD-CCYYMMDD format.
2000E – Dependent Level Loop				
DMG – Dependent Demographic Information	Segment Deleted	Segment Deleted		Will return what was submitted in the 276 request. The DMG Segment could be in either the 2000D or 2200E Loop.
2200E – Claim Status Tracking Loop				
STC - Claim Level Status Information		Segment Repeat > 1	Segment Repeat 1	Will evaluate the STC01 Elements. If multiple STC Segments are received, will return the first STC Segment where the STC01 Element does not contain an RX value. If all are RX Segments, then send back the first one.
STC - Claim Level Status Information	STC01-3 - Entity Identifier Code	03 MSC PRP SEP, TL TTP	G0 6S IN IN LI IN	The list code values were added to 5010. If received, will map 03 to G0, MSC to 6S, TL to LI, PRP, SEP, and TTP to IN.
STC - Claim Level Status Information	STC04 - Total Claim Charge Amount	Situational	Required	Will send default 0 if it contains a blank
STC - Claim Level Status Information	STC05 - Claim Payment Amount	Situational	Required	Will send default 0 if it contains a blank
STC - Claim Level Status Information	STC07 - Payment Method Code	Element Deleted		Because this Element is unavailable in the 5010, please refer to your remittance advice for payment method.
REF - Medical Record Information	Segment Deleted	Segment Deleted		If there is a REF EA Segment in the incoming 4010A1 276, will use that to create this REF Segment
DTP - Claim Service Date	DTP01 - Date Time Qualifier	472	232	The code value 472 was added in 5010. If that value is received, it will be mapped to 232.

Loop				
Segment	Element	5010 Payer Outbound value	4010A1 Submitter Inbound value	Conversion Description
DTP - Claim Service Date	DTP02 - Date Time Period Format Qualifier	D8	RD8	The code value qualifier D8 was added in 5010. If received, it will be mapped to RD8.
DTP - Claim Service Date	DTP03 - Claim Service Period	CCYYMMDD	CCYYMMDD-CCYYMMDD	The format of CCYYMMDD was added as a possible value in 5010. If a DTP02 value of D8 is received, will map DTP03 value to both start and end positions in the CCYYMMDD-CCYYMMDD format.
2220E – Service Line Information Loop				
SVC - Service Line Information	SVC01-1 - Product/Service ID Qualifier	ER WK		The code values listed were added in 5010. If any of the two added code values are received will drop this iteration of the Loop.
STC - Claim Level Status Information		Segment Repeat > 1	Segment Repeat 1	Will evaluate the STC01 Elements. If multiple STC Segments are received, will return the first STC Segment where the STC01 Element does not contain an RX value. If all are RX Segments, then send back the first one.
STC - Claim Level Status Information	STC01-3 - Entity Identifier Code	03 MSC PRP SEP, TL TTP	G0 6S IN IN 1X IN	The list code values were added to 5010. If received, will map 03 to G0, MSC to 6S, TL to 1X, GJ to GI, PRP, SEP, and TTP to IN.
DTP - Service Line Date	DTP02 - Date Time Period Format Qualifier	D8	RD8	The code value qualifier D8 was added in 5010. If received, it will be mapped to RD8.
DTP - Service Line Date	DTP03 - Claim Service Period	CCYYMMDD	CCYYMMDD-CCYYMMDD	The format of CCYYMMDD was added as a possible value in 5010. If a DTP02 value of D8 is received, will map DTP03 value to both start and end positions in the CCYYMMDD-CCYYMMDD format.

Change Log

Version	Description	Author	Date
1.0	Initial Release	Dean Brehm	03-2010
1.1	Content Modifications	Dean Brehm	05-26-2010