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# Encounter Data System

## Test Case Specifications

Encounter Data PACE test case specifications related to the 837 Health Care Claim: DME - Professional Transaction based on ASC X12 Technical Report Type 3 (TR3), Version 005010X222A1

Test Case Specifications: 2.0

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## **Preface**

The Encounter Data System (EDS) PACE Test Case Specifications contain information to assist PACE organizations in the submission of encounter data for EDS testing. Following the completion and acceptance of **25-50 unique encounter data submissions for Encounter Data Front End System (EDFES) testing**, PACE organizations are required to submit data for testing the Encounter Data Processing System (EDPS). This document provides an outline of test case submissions required for PACE end-to-end testing.

Questions regarding the contents of the EDS Test Case Specifications should be directed to [eds@ardx.net](mailto:eds@ardx.net).

### REVISION HISTORY

Version	Date	Organization/Point of Contact	Description of Changes
1.0	08/20/12	ARDX	Base Document
2.0	01/14/13	ARDX	Excluded the submission of DMETC02 from the test plan, effective 12/18/2012.

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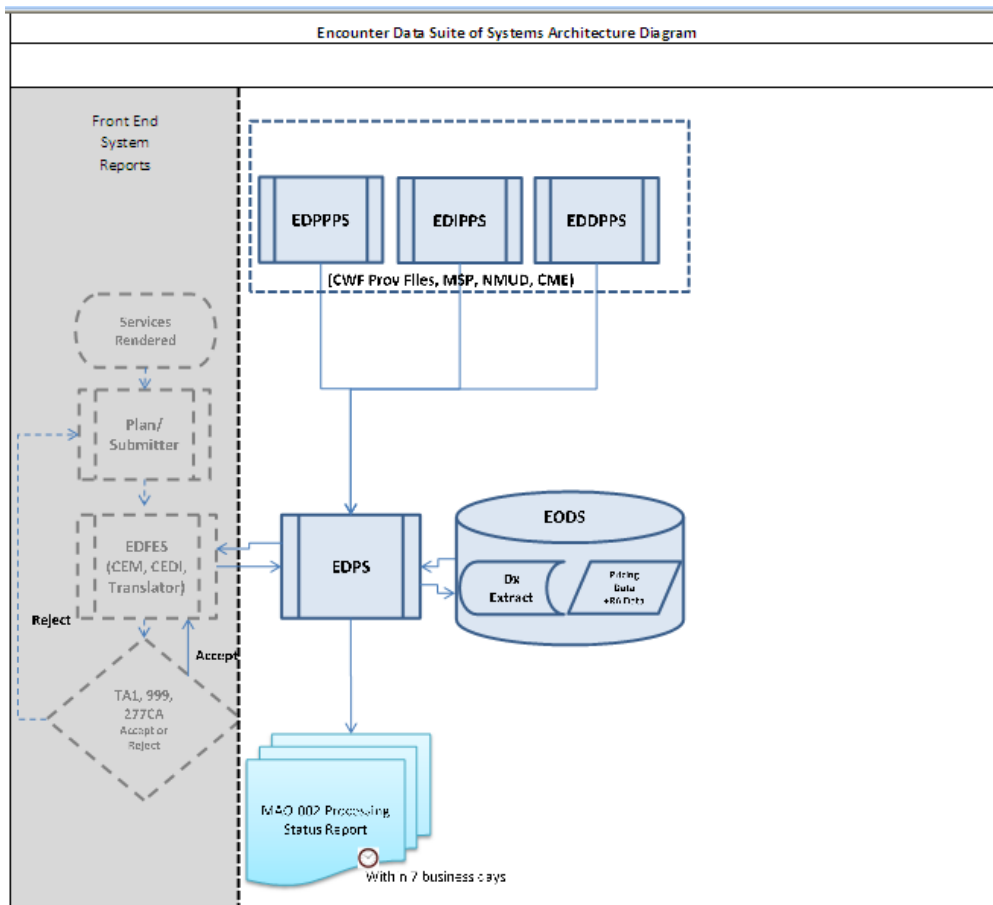
4.0 Acronyms

## 1.0 Overview

This document may be used in conjunction with the business case examples referenced in the EDS 837 DME Companion Guide.

The purpose of EDS end-to-end testing is to validate the following:

- Files are received by the EDFES
- Files process through the translator
- Files process through the CEM
- Submitter receives front-end acknowledgment reports (TA1, 999, 277CA) from the EDFES
- EDFES accepted data are received by the Encounter Data Processing System (EDPS)
- Data are processed and priced in the EDPS
- Submitter receives Encounter Data Processing Status MAO-002 from the EDPS



## 2.0 Introduction

CMS has provided the submission guidelines for end-to-end testing, to include test cases necessary for PACE testing. PACE testing is intended to allow PACE organizations the ability to determine system performance based on the submission of non-PACE day care center services. Non-PACE day care center services are submitted on an inpatient or outpatient Institutional or Professional claim form. **PACE DME encounter testing begins 1/1/2013 and ends 02/28/2012.**

***\*\*\*Effective December 18, 2012, DME end-to-end certification does not require submission of DMETC02 Incident to services. MAOs and other entities are required to submit two files for DME end-to-end certification. The first file must contain the required test cases (TC01, TC03, TC04, and TC05). The second file must contain TC06 submitted as a duplicate of one of the test cases in the first file.***

### 2.1 Professional End-to-End Testing

The 837-P DME encounter test cases are submitted in **two (2)** files.

File 1 includes all unlinked test cases 01, 03, 04, and 05 (8 encounters) with unique ICNs.

File 2 should only include the duplicate test case (2 encounters) using the DME Payer ID '80887', and should only be a duplicate of one of the test cases 01, 03, 04, and 05.

***(DMETC02 no longer required)***

All test cases included in File 1 must be completely accepted as indicated on the MAO-002 report before the File 2 is submitted. File 2 can only be submitted once MAO-002 reports have been received for File 1. PACE organizations must receive a 95% acceptance rate to be deemed certified for end-to-end testing.

EDS will reject the files if the designated numbers of encounters are not included in each of the test files. Rejected files must be corrected and resubmitted for File 1 until all 8 encounters pass translator and CEM editing at 100% before it can be processed in the EDPS. PACE organizations must use the following guidance when preparing all unlinked (8 encounters) and the duplicate (2 encounters) test cases:

The encounters submitted must comply with the TR3, CMS edits spreadsheet and Encounter Data Companion Guides.

All encounters must include 2012 DOS only (no future 'From' dates).

Files must be identified as a test case submission using ISA15='T' and Loop 2300 - CLM01 by appending "TC<test case #>" to the end of the Plan Encounter ID (CCN).

DME supplier encounters must be submitted using the 837-P. PACE organizations will receive the TA1, 999, and 277CA within 48 hours of submission. The MAO-002 report will be returned to the submitter within seven (7) business days of submission. MAOs and other entities must review and correct errors identified on the reports and resubmit data with a 95% acceptance rate in order to pass end-to-end certification. Acceptance notifications will be communicated to MAOs and other entities upon certification.

## 2.2 Test Case Summary

During the end-to-end testing period, the following types of test case scenarios are required:

- I. Data Validation
  - a. Durable Medical Equipment, Prosthetics, Orthotics, and Supplies (DMEPOS)
  - b. Incident to Services  
***\*\*\*Effective December 18, 2012, DME end-to-end certification does not require submission of DMETC02 Incident to services. MAOs and other entities are required to submit two files for DME end-to-end certification. The first file must contain the required test cases (TC01, TC03, TC04, and TC05). The second file must contain TC06 submitted as a duplicate of one of the test cases in the first file.***
  
- II. Pricing
  - a. Purchased DME
  - b. Capped Rental
  - c. Oxygen
  
- III. Processing
  - a. Duplicate



### Test Case Summary Table

Test Case/Script Identifier	Test Case/Script Title
Data Validation	TC01- DMEPOS
Data Validation	<b><i>DMETC02- Incident to Services ***Effective December 18, 2012, DME end-to-end certification does not require submission of DMETC02 Incident to services. MAOs and other entities are required to submit two files for DME end-to-end certification. The first file must contain the required test cases (TC01, TC03, TC04, and TC05). The second file must contain TC06 submitted as a duplicate of one of the test cases in the first file.</i></b>
Pricing	TC03- Purchased DME
Pricing	TC04- Capped Rental
Pricing	TC05- Oxygen
Processing	TC06- Duplicate

For each test case scenario, details are provided to assist with encounter data test submissions:

**3.25 TC25-Zip Code + 4** Type of test encounter requested for testing.

**3.25.1** The purpose of TC25-Zip Code + 4 Submission is to test and collect data for accurate pricing. This line defines the purpose for testing this type of encounter.

**3.25.2 Prerequisite Conditions** Prerequisite Conditions list requirements and reminders to successfully submit the test encounter.

1. System will accept 5010 version X12 standards for HIPAA transactions.
2. At least two (2) encounters are submitted for each type of test case scenario.

**3.25.3 Test Procedure**

**Table 28: Test Procedure Steps for TC25- Zip Code + 4 Submissions**

Step #	Action	Expected Results/ Evaluation Criteria
1.	<p>Submit an encounter with the zip code + 4 postal box identifier.</p> <ul style="list-style-type: none"> <li>• Use "9999" as a default for the last four (4) digits of the zip code for one submission to test the case where this information does not exist on the original submission file.</li> </ul>	<ul style="list-style-type: none"> <li>• Files pass duplicate validation, paid amount balancing and continue processing.</li> <li>• ED Processing Status Report is returned with "Accepted" status within 24 hours of submission.</li> <li>• Any errors found on the file will generate the ED Processing Status Report with a "Rejected" status. The Encounter Edit Disposition Report will also be generated if errors are found.</li> <li>• Encounters Summary, and Encounters Detail Reports are also returned within 24 hours of submission.</li> <li>• Encounter Data Risk Filter Report is generated and returned within 1 week, providing diagnosis codes identified as model diagnoses for risk adjustment.</li> </ul>

**3.25.4 Assumptions and Constraints** This section provides steps for inputs and the expected outcomes from the submissions.

It is assumed that all encounter submissions will include submitter names.

(Example Test Case Details)

This section lists any assumptions or constraints associated with the Test Case.

### 3.0 Test Case Details

#### 3.1 TC01 - DMEPOS

##### 3.1.1 Purpose

The purpose of TC01-DMEPOS is to test editing, processing and appropriate pricing of encounters submitted by a Medicare enrolled DME supplier.

##### 3.1.2 Prerequisite Conditions

1. System will accept 5010 version X12 standards for HIPAA transactions in the 837-P format.
2. Two (2) encounters are submitted for each type of test case scenario.

##### 3.1.3 Test Procedure

**Table 1: Test Procedure Steps for TC01-DMEPOS**

Step #	Action	Expected Results/ Evaluation Criteria
1.	<p>Submit a DMEPOS HCPCS code selected from the DME Fee schedule located at <a href="https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html">https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html</a>.</p> <p>Tip: Select DME12_C.zip file and select the DME2012 Jul.xls file.</p>	<p>The 999A and 277CA Reports are returned within 48 hours of submission.</p> <p>Validation on the file for a unique encounter is based on the following data fields:</p> <ul style="list-style-type: none"> <li>○ Beneficiary HICN</li> <li>○ Beneficiary Name</li> <li>○ Date of Service</li> <li>○ Place of Service</li> <li>○ Type of Service</li> <li>○ Procedure Code (and 4 modifiers as appropriate)</li> <li>○ Rendering Provider NPI</li> <li>○ Paid Amount</li> </ul> <p>ED Processing Status Report (MAO-002) is returned with “Accepted” status within seven (7) business days of submission.</p> <p>Any errors found on the file will generate the MAO-002) with a “Rejected” status within seven (7) business days of submission.</p>

### **3.1.4 Assumptions and Constraints**

DMEPOS will be validated for enrollment to supply durable medical equipment under the Medicare program. The DMEPOS encounter submission will be processed under the DME claims processing system.

### 3.2 DMETC02- Incident to Services

**\*\*\*Effective December 18, 2012, DME end-to-end certification does not require submission of DMETC02 Incident to services. MAOs and other entities are required to submit two files for DME end-to-end certification. The first file must contain the required test cases (TC01, TC03, TC04, and TC05). The second file must contain TC06 submitted as a duplicate of one of the test cases in the first file.**

#### 3.2.1 Purpose

The purpose of DMETC02-Incident to Services is to ensure DME encounters incident to institutional or physician services submitted with DMEPOS Supplier HCPCS codes are rejected under the DMEPOS submission. This file must reject and will not count against the 95% encounter testing failure rate.

#### 3.2.2 Prerequisite Conditions

1. System will accept 5010 version X12 standards for HIPAA transactions in the 837-P format.
2. Two (2) encounters are submitted for each type of test case scenario.
3. File must be identified as a DMETC02 submission using Loop 2300 - CLM01 by appending "DMETC02" to the end of the Plan Encounter ID (CCN).

#### 3.2.3 Test Procedure

**Table 2: Test Procedure Steps for DMETC02-Incident to Services**

Step #	Action	Expected Results/ Evaluation Criteria
1.	Submit a DME encounter incident to services with a DMEPOS Supplier HCPCS code selected from the DME Fee schedule located at <a href="https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html">https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html</a> .	The 999A and 277CA Reports are returned within 48 hours of submission. Validation on the file for a unique encounter is based on the following data fields: <ul style="list-style-type: none"><li>○ Beneficiary HICN</li><li>○ Beneficiary Name</li><li>○ Date of Service</li><li>○ Place of Service</li></ul>

Step #	Action	Expected Results/ Evaluation Criteria
	<p>Tip: Select DME12_C.zip file and select the DME2012 Jul.xls file.</p> <p>Select any DMEPOS HCPCS code with a 'JURIS' (column D) = "D". Ensure a Provider NPI is submitted with a Payer ID 80881 or 80882.</p> <p>Do not use Payer ID: 80887, which is specific to DMEPOS only.</p>	<ul style="list-style-type: none"> <li>○ Type of Service</li> <li>○ Procedure Code (and 4 modifiers as appropriate)</li> <li>○ Rendering Provider NPI</li> <li>○ Paid Amount</li> </ul> <p>Errors should be found on the file and will generate the ED Processing Status Report (MAO-002) with a "Rejected" status within seven (7) business days of submission.</p>

### 3.2.4 Assumptions and Constraints

The file is submitted and processed under the Professional encounter data processing and pricing system as recorded by the provider.

### 3.3 TC03- Purchased DME

#### 3.3.1 Purpose

The purpose of TC03-Purchased DME is to test editing, processing, and appropriate pricing of purchased durable medical equipment.

#### 3.3.2 Prerequisite Conditions

1. System will accept 5010 version X12 standards for HIPAA transactions in the 837-P format.
2. Two (2) encounters are submitted for each type of test case scenario.

#### 3.3.3 Test Procedure

**Table 3: Test Procedure Steps for TC03-Purchased DME**

Step #	Action	Expected Results/ Evaluation Criteria
1.	<p>Submit a DMEPOS HCPCS code selected from the DME Fee schedule located at <a href="https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html">https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html</a>.</p> <p>Tip: Select DME12_C.zip file and select the DME2012 Jul.xls file.</p> <p>Select any HCPCS code with a 1<sup>st</sup> Modifier code of 'NU'- Purchased, New.</p>	<p>The 999A and 277CA Reports are returned within 48 hours of submission.</p> <p>Validation on the file for a unique encounter is based on the following data fields:</p> <ul style="list-style-type: none"> <li>○ Beneficiary HICN</li> <li>○ Beneficiary Name</li> <li>○ Date of Service</li> <li>○ Place of Service</li> <li>○ Type of Service</li> <li>○ Procedure Code (and 4 modifiers as appropriate)</li> <li>○ Rendering Provider NPI</li> <li>○ Paid Amount</li> </ul> <p>ED Processing Status Report (MAO-002) is returned with "Accepted" status within seven (7) business days of submission.</p> <p>Any errors found on the file will generate the (MAO-002) with a "Rejected" status within seven (7) business days of submission.</p>

### **3.3.4 Assumptions and Constraints**

The DME fee schedule will be used for pricing all durable medical equipment identified on the encounter submission. The DMEPOS encounter submission will be processed under the DME claims processing system.



### 3.4 TC04- Capped Rental

#### 3.4.1 Purpose

The purpose of TC04-Capped Rental submission is to test editing, processing, and appropriate pricing of capped rental equipment.

#### 3.4.2 Prerequisite Conditions

1. System will accept 5010 version X12 standards for HIPAA transactions in the 837-P format.
2. Two (2) encounters are submitted for each type of test case scenario.

#### 3.4.3 Test Procedure

**Table 4: Test Procedure Steps for TC04-Capped Rental**

Step #	Action	Expected Results/ Evaluation Criteria
1.	<p>Submit a DMEPOS HCPCS code selected from the DME Fee schedule located at <a href="https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html">https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html</a>.</p> <p>Tip: Select DME12_C.zip file and select the DME2012 Jul.xls file.</p> <p>Select any HCPCS code with the 1<sup>st</sup> modifier code of 'RR' – Rented and category code of 'CR' – Capped Rental Items category from the spreadsheet.</p>	<p>The 999A and 277CA Reports are returned within 48 hours of submission.</p> <p>Validation on the file for a unique encounter is based on the following data fields:</p> <ul style="list-style-type: none"> <li>○ Beneficiary HICN</li> <li>○ Beneficiary Name</li> <li>○ Date of Service</li> <li>○ Place of Service</li> <li>○ Type of Service</li> <li>○ Procedure Code (and 4 modifiers as appropriate)</li> <li>○ Rendering Provider NPI</li> <li>○ Paid Amount</li> </ul> <p>ED Processing Status Report (MAO-002) is returned with "Accepted" status within 7 business days of submission.</p> <p>Any errors found on the file will generate the MAO-002 with a "Rejected" status within 7 business days of submission.</p>

#### **3.4.4 Assumptions and Constraints**

The DME fee schedule will be used for pricing all durable medical equipment identified on the encounter submission. The DMEPOS encounter submission will be processed under the DME claims processing system.

### 3.5 TC05- Oxygen

#### 3.5.1 Purpose

The purpose of TC05-Oxygen DME submission is to ensure accurate editing and pricing for oxygen related durable medical equipment.

#### 3.5.2 Prerequisite Conditions

1. System will accept 5010 version X12 standards for HIPAA transactions in the 837-P format.
2. Two (2) encounters are submitted for each type of test case scenario.

#### 3.5.3 Test Procedure

**Table 5: Test Procedure Steps for TC05-Oxygen**

Step #	Action	Expected Results/ Evaluation Criteria
1.	<p>Submit a DMEPOS HCPCS code selected from the DME Fee schedule located at <a href="https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html">https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/DMEPOSFeeSched/DMEPOS-Fee-Schedule-Items/DME12_C.html</a>.</p> <p>Tip: Select DME12_C.zip file and select the DME2012 Jul.xls file.</p> <p>Select any HCPCS code with a category code of 'OX' – Oxygen and Oxygen Equipment category from the spreadsheet.</p>	<p>The 999A and 277CA Reports are returned within 48 hours of submission.</p> <p>Validation on the file for a unique encounter is based on the following data fields:</p> <ul style="list-style-type: none"> <li>○ Beneficiary HICN</li> <li>○ Beneficiary Name</li> <li>○ Date of Service</li> <li>○ Place of Service</li> <li>○ Type of Service</li> <li>○ Procedure Code (and 4 modifiers as appropriate)</li> <li>○ Rendering Provider NPI</li> <li>○ Paid Amount</li> </ul> <p>ED Processing Status Report (MAO-002) is returned with "Accepted" status within 7 business days of submission.</p> <p>Any errors found on the file will generate the MAO-002 with a "Rejected" status within 7 business days of submission.</p>

#### **3.5.4 Assumptions and Constraints**

The DME fee schedule will be used for pricing all durable medical equipment identified on the encounter submission. The DMEPOS encounter submission will be processed under the DME claims processing system.

### 3.6 TC06- Duplicate

#### 3.6.1 Purpose

The purpose of TC06-Duplicate is to ensure information is not duplicated and stored for pricing and risk adjustment in EODS.

#### 3.6.2 Prerequisite Conditions

1. System will accept 5010 version X12 standards for HIPAA transactions in the 837-P format.
2. Two (2) encounters are submitted for each type of test case scenario.
3. An original submission should be “Accepted” in EDPS prior to submitting a duplicate encounter submission.
4. Ensure that the interchange date and time (ISA09 and ISA10) are unique in the ISA-IEA interchange header file.

#### 3.6.3 Test Procedure

**Table 6: Test Procedure Steps for TC06-Duplicate**

Step #	Action	Expected Results/ Evaluation Criteria
1.	Submit a duplicate 837-P encounter to the EDFES with duplicate data in all of the following fields: <ul style="list-style-type: none"><li>○ Beneficiary HICN</li><li>○ Beneficiary Name</li><li>○ Date of Service</li><li>○ Place of Service</li><li>○ Type of Service</li><li>○ Procedure Code (and 4 modifiers as appropriate)</li><li>○ Rendering Provider NPI</li><li>○ Paid Amount</li></ul>	The 999A and 277CA Reports are returned within 48 hours of submission. Validation on the file for a unique encounter is based on the following data fields: <ul style="list-style-type: none"><li>○ Beneficiary HICN</li><li>○ Beneficiary Name</li><li>○ Date of Service</li><li>○ Place of Service</li><li>○ Type of Service</li><li>○ Procedure Code (and 4 modifiers as appropriate)</li><li>○ Rendering Provider NPI</li><li>○ Paid Amount</li></ul> The file is rejected due to duplicate data contained in EODS.

Step #	Action	Expected Results/ Evaluation Criteria
		Any errors found on the file will generate the ED Processing Status Report (MAO-002) with a "Rejected" status within seven (7) business days of submission.

#### 3.6.4 Assumptions and Constraints

It is assumed that the submission matches an existing encounter ICN in the system.

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## 1. ACRONYMS

<b>CMS</b>	Centers for Medicare & Medicaid Services
<b>DME</b>	Durable Medical Equipment
<b>DMEPOS</b>	Durable Medical Equipment, Prosthetics, Orthotics, and Supplies
<b>EDFEC</b>	Encounter Data Front End Contractor
<b>EDFES</b>	Encounter Data Front End System
<b>EDDPPS</b>	Encounter Data DME Pricing and Processing System
<b>EOS</b>	Encounter Operational Data Store
<b>EDPS</b>	Encounter Data Processing System
<b>EDPSC</b>	Encounter Data Processing System Contractor
<b>EDS</b>	Encounter Data System
<b>MA</b>	Medicare Advantage
<b>MAO</b>	Medicare Advantage Organization