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# Encounter Data System

End-to-End Test Plan

Encounter Data End-to-End Test Plan related to the Professional 837  
Health Care Claim Transactions

End-to-End Test Plan 1.1

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**Preface**

The Encounter Data System (EDS) End-to-End Test Plan contains information to assist Medicare Advantage Organizations (MAOs) and other entities in planning for the submission of encounter data for end-to-end testing. Following the completion of Encounter Data Front End System (EDFES) certification, Medicare Advantage Organizations (MAOs) and other entities are required to submit test data for certification on the Encounter Data Processing System (EDPS). This document provides an overview of the professional end-to-end testing process.

Questions regarding the contents of the End-to-End Test Plan should be directed to [eds@ardx.net](mailto:eds@ardx.net).

### REVISION HISTORY

Version	Date	Organization/Point of Contact	Description of Changes
1.0	03/14/12	ARDX	Base Document

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## 1.0 Overview

This end-to-end test plan does not replace but must be used in conjunction with several previously published documents, including the Encounter Data 837-P Test Case Specifications and the business case examples referenced in the EDS 837 Professional Companion Guide.

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

- Files are received by the EDFES
- Files are processed through the translator
- Files are processed through CEM
- Submitter receives front-end reports from EDFES
- Encounters are received by EDPS
- Encounters are processed and priced in EDPS
- Submitter receives MAO-002 reports from EDPS
- Submitter can determine corrections required for rejected encounters from the MAO-002 reports and make necessary changes
- EDPS certification
- MAOs and other entities are able to test their systems by submitting non-CMS scripted test cases

## 2.0 Introduction

CMS has expanded the scope of professional end-to-end testing to include an additional level of plan testing. Plan testing is intended to allow MAOs and other entities the ability to conduct end-to-end testing of their processes based on the submission of a more inclusive sampling of plan specific business cases.

The end-to-end test plan includes two (2) tiers. Tier 1 requires for the submission of Encounter Data specific test cases required for certification; and Tier 2 allows for the submission of plan specific business cases. All files must be submitted based on this document and the specifications included in the Professional Encounter Data Companion Guide, located on [www.csscooperations.com](http://www.csscooperations.com).

### 3.0 Testing Tiers

#### 3.1 Tier 1 – Test Cases

MAOs and other entities will submit test cases identified in *Table 1* to ensure the submitters' systems are properly configured to map to the EDS' unique requirements.

This process allows CMS to ensure system functionality based on specifically designed test cases. It also allows MAOs and other entities to confirm that the CMS operational guidance has been properly programmed in their systems.

The certification files are submitted in two (2) files. The first file includes all unlinked test cases (38) and the second file includes all linked test cases (8). All test cases included in the first file must be completely accepted as indicated on the MAO-002 report before the second file is submitted. MAOs and other entities must receive 95% pass rate to be deemed certified.

**Table 1: 837-P Test Cases**

<b>EDPS Validation Edits</b>	<b>Associated Test Cases</b>
<b>Beneficiary</b>	TC-01 – Original MA TC-02 – Traditional to MA Member TC-03 – MA to MA Member TC-04 – Special Enrollment to MA Member TC-05 – Standard MA Member
<b>Provider</b>	TC-06 – Non-Contracted Provider TC-07 – Atypical Provider TC-08 – Foreign Provider TC-09 – Capitated Provider TC-10 – Ambulance TOS TC-11 – Coordination of Benefits
<b>Professional Processing</b>	TC-12 – Correct/Replace TC-13 – Void/Delete TC-14 – Chart Review – Linked TC-15 – Chart Review – Unlinked TC-16 – Duplicate TC-17 – Bundled Payment TC-18 – Paper Generated TC-19 – ZIP Code +4 TC-20 – Medically Unlikely Edit
<b>Fee Schedules</b>	TC-23 – Medicare Physician MPFS TC-24 – Ambulatory Surgical Center TC-25 – Clinical Laboratory

### 3.2 Tier 2 – Plan Testing

To ensure that MAOs and other entities have the opportunity to test a more inclusive sampling of their data, MAOs and other entities have the option, but are not required, to submit a file containing **no more than 2,000** encounters per contract ID. MAOs and other entities who have obtained front-end certification may begin submitting Tier 2 plan testing data on March 15, 2012, and must conclude on April 30, 2012. All encounters submitted for Tier 2 plan testing during March 15, 2012 – April 30, 2012 will be erased after the 45-day plan testing period has ended.

While there are no specific test cases for this level of testing, MAOs and other entities must use the following guidance when preparing these files:

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

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

Files must be identified using the Authorization Information Qualifier data element “Additional Data Identification” in the ISA segment (ISA01= 03).

Files must be identified using the Authorization Information data element to identify the “Tier 2 indicator” in the ISA segment (ISA02= 8888888888).

Files must be identified as “Test” in the ISA segment (ISA15=T).

Only encounters for Professional services will be accepted during this period. MAOs and other entities will receive the TA1, 999, and 277CA within 24 hours of submission. The MAO-002 report will be returned to the submitter within seven (7) business days of submission. While not required, MAOs and other entities may elect and are strongly encouraged to correct errors identified on the reports and resubmit data.

#### 4.0 Certification

CMS will base the MAO's end-to-end certification on Tier 1 test data. MAOs and other entities must obtain a 95% acceptance rate on Tier 1 test data no later than April 30, 2012. Tier 1 testing acceptance notifications will be communicated.

Since all data in the production region with a transmission date of prior to April 30 will be deleted; certified MAOs and other entities should begin submitting production data May 1, 2012 for professional encounters.

#### 5.0 Timeline

The schedule outlined below provides timeline of the activities required to implement Tier 1, and Tier 2 testing for professional encounters.

<b>Date</b>	<b>Milestone</b>
03/15/2012	Announce End-to-End Test Plan to the Industry
03/15/2012	Begin accepting Tier 2
04/30/2012	Professional End-to-End certification deadline
04/30/2012	Discontinue Tier 2 test data collection
05/01/2012 (12:00am)	Delete all data from the production region
05/01/2012	Begin accepting professional production data



## 6.0 Acronyms

<b>ASC</b>	Ambulatory Surgery Center
<b>CMS</b>	Centers for Medicare & Medicaid Services
<b>EDFESC</b>	Encounter Data Front End System Contractor
<b>EDFES</b>	Encounter Data Front End System
<b>EDIPPS</b>	Encounter Data Institutional Pricing and Processing System
<b>EODS</b>	Encounter Data Operational Data Store
<b>EDPPPS</b>	Encounter Data Professional Pricing and Processing System
<b>EDDPPS</b>	Encounter Data DME Pricing and Processing System
<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