Electronic Submission of Medical Documentation (esMD)

Secure, Efficient & Cost-Effective

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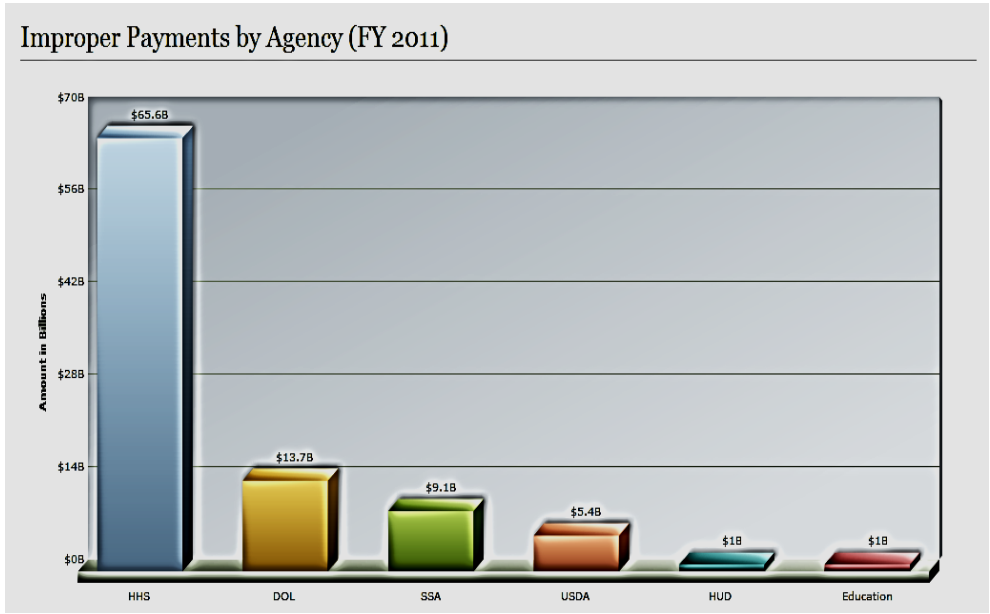
Improper Payments

- Medicare receives 4.8 M claims per day.
- CMS' Office of Financial Management estimates that each year
  - the Medicare FFS program issues more than $28.8 B in improper payments (error rate 2011: 8.6%).
  - the Medicaid FFS program issues more than $21.9 B in improper payments (error rate: 8.1%).
- Most improper payments can only be detected by a human comparing:
  - a claim to
  - the medical documentation.



www.paymentaccuracy.gov

Background Facts about Medical Documentation Requests

- **Medical Documentation Requests are sent by:**
  - Medicare Administrative Contractors (MACs) Medical Review (MR) Departments
  - Comprehensive Error Rate Testing Contractor (CERT)
  - Payment Error Rate Measurement Contractor (PERM)
  - Medicare Recovery Auditors (formerly called RACs)

These contractors are overseen by OFM/PCG

- **George Mills,** Director
- **Melanie Combs-Dyer,** Deputy Director

- **Claim review contractors issue over 1 million ADR requests each year.**
- **Claim review contractors currently receive most medical documentation in paper form or via fax.**
- **Health Information Handler (HIH) is any organization that handles health information on behalf of a provider. Examples include:**
  - Health Information Exchange (HIE)/Regional Health Information Organization (RHIO)
  - Release of Information (ROI) Vendor
  - Electronic Health Record (EHR) Vendor
  - Claim Clearing house
  - Health Internet Service Provider (HISP)

Submission of Medical Documentation (esMD)

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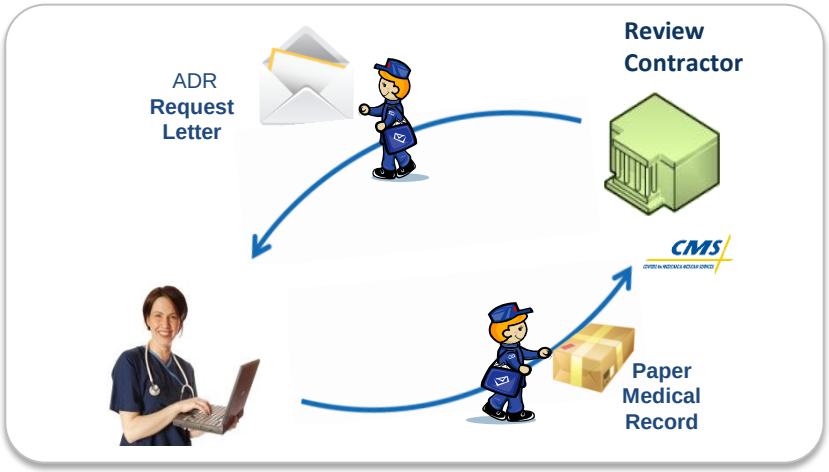
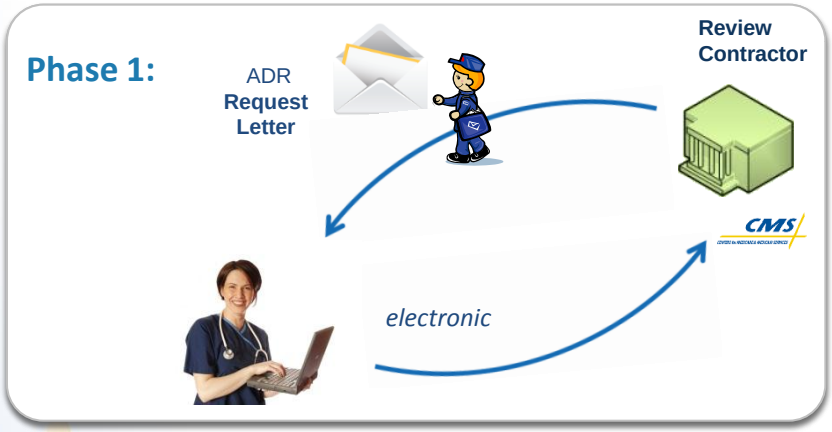
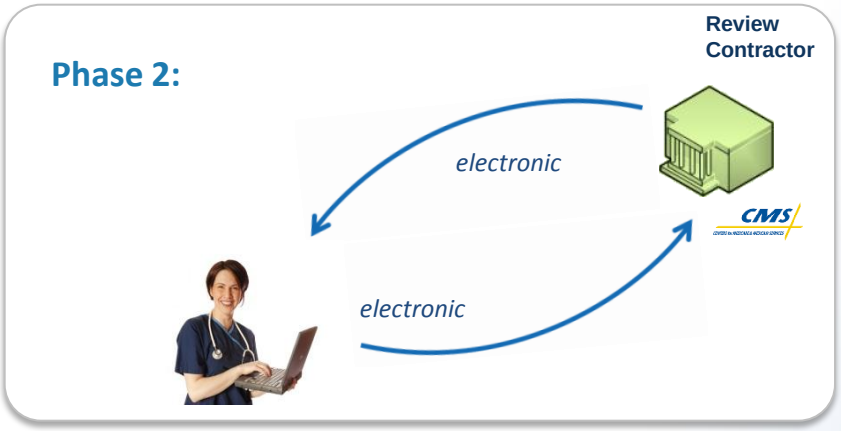
Today's Paper Medical Documentation Process



The Solution: Electronic Submission of Medical Documentation (esMD)





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esMD Adoption Rate and Live Submissions by Providers

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HIT Adoption Rate

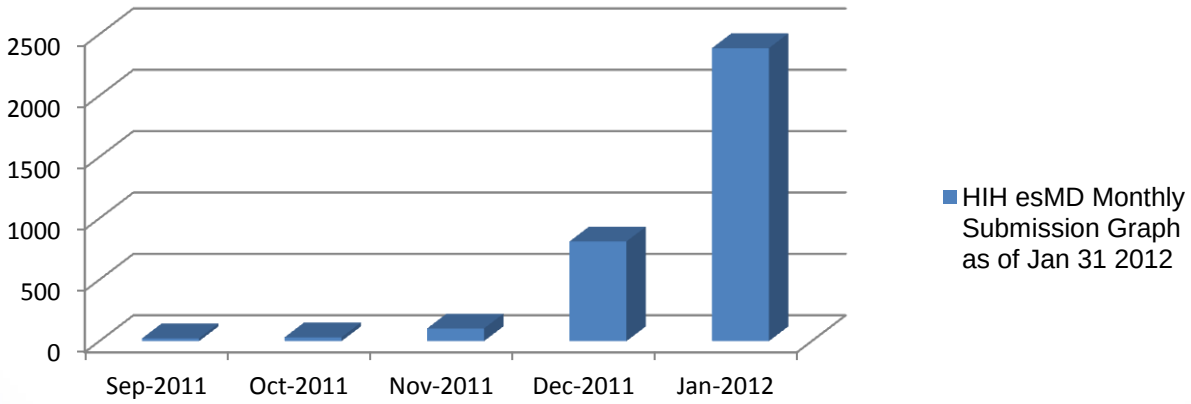
Late Adopter
- Still using paper records.
- Intends to rely on fax machines, USPS, FedEx, etc. for the next 10 years.

Average Adopter
- Using imaged & electronic records.
- Will wait to see which esMD Service Providers emerge in their area and their Business Model.

Early Adopter
- Has used EHR & EMRs for years.
- Ready for esMD now!

Review contractors cannot target providers for medical review just because they use esMD, CMS Program Integrity Manual Chapter 3, Section 3.2.1.

As of January 31, 2012: esMD Live Transactions (5 Active HIHs)



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CMS Review Contractors that Accept esMD

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Approved CMS Review Contractors
Region A Medicare Recovery Auditor (DCS)
Region B Medicare Recovery Auditor (CGI)
Region D Medicare Recovery Auditor (HDI)
Medicare Administrative J1 (Palmetto GBA)
Medicare Administrative J3 (Noridian)
Medicare Administrative J4 (Trailblazer)
Medicare Administrative J5 (Wisconsin)
Medicare Administrative J9 (First Coast)
Medicare Administrative J10 (Cahaba)
Medicare Administrative J11 (Palmetto)
Medicare Administrative J12 (Highmark)
Medicare Administrative J13 (NGS)
Medicare Administrative J14 (NHIC)
DME Medicare Administrative JA (NHIC)
DME Medicare Administrative JB (NGS)
DME Medicare Administrative JD (NAS)
Comprehensive Error Rate Testing (CERT)
Program Error Rate Measurement (PERM)

Planning for March 2012
Region C Medicare Recovery Auditor (Connolly)

Planning for April 2012
Medicare Administrative J15 (CGS)
DME Medicare Administrative JC (CGS)
ZPIC Z1 (SGS)
ZPIC Z7 (SGS)

Medicare Administrative JF (Noridian) will be replacing J2 and J3

For updated list, visit to: **www.cms.gov/esMD** .

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CMS Certified HIHs to Offer esMD Services

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HIHs under Certification Process to offer esMD Services

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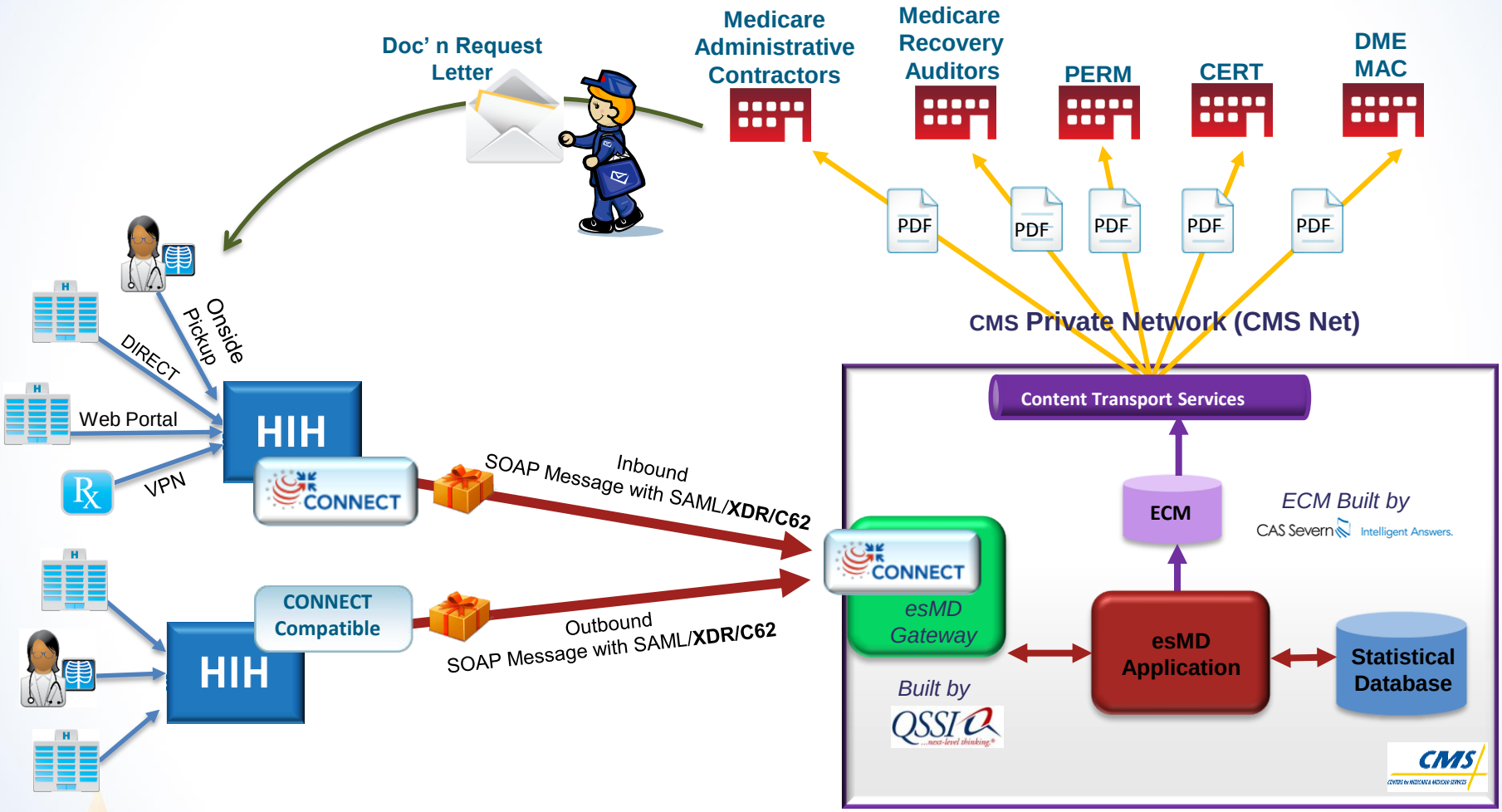
eSMD Electronic Submission of Medical Documentation

esMD Phase 1: September 2011



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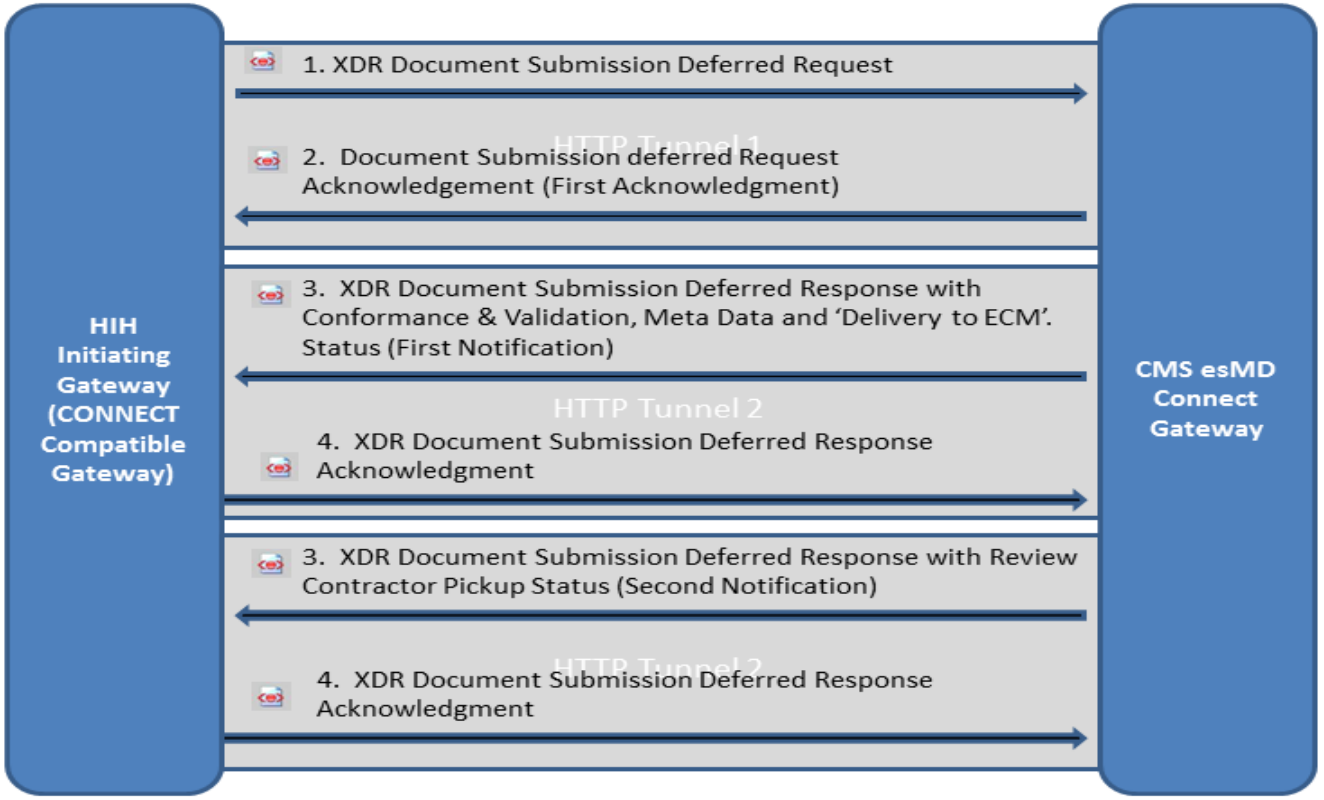
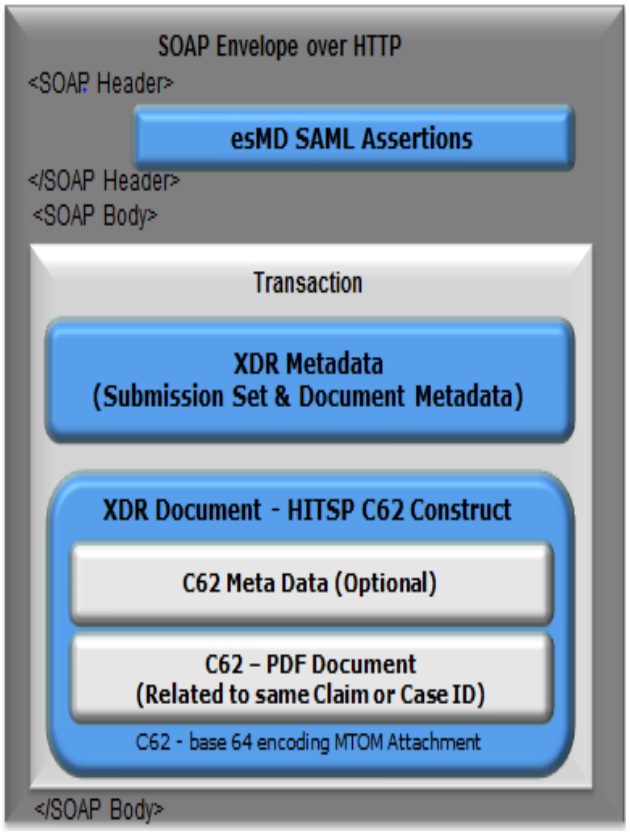
esMD XDR Document Submission Message Flow: In Deferred Message Mode

- Using the Health Information Handler (HIH) Gateway, the provider submits a claim document response to a single CMS Additional Documentation Request Letter (ADR), using the Document Submission deferred request (as a part of deferred messaging flow).
- esMD implements the NHIN Document Submission with Deferred Messaging mode. In a deferred mode, the Document Submission is a two-way message as shown in the diagram below:

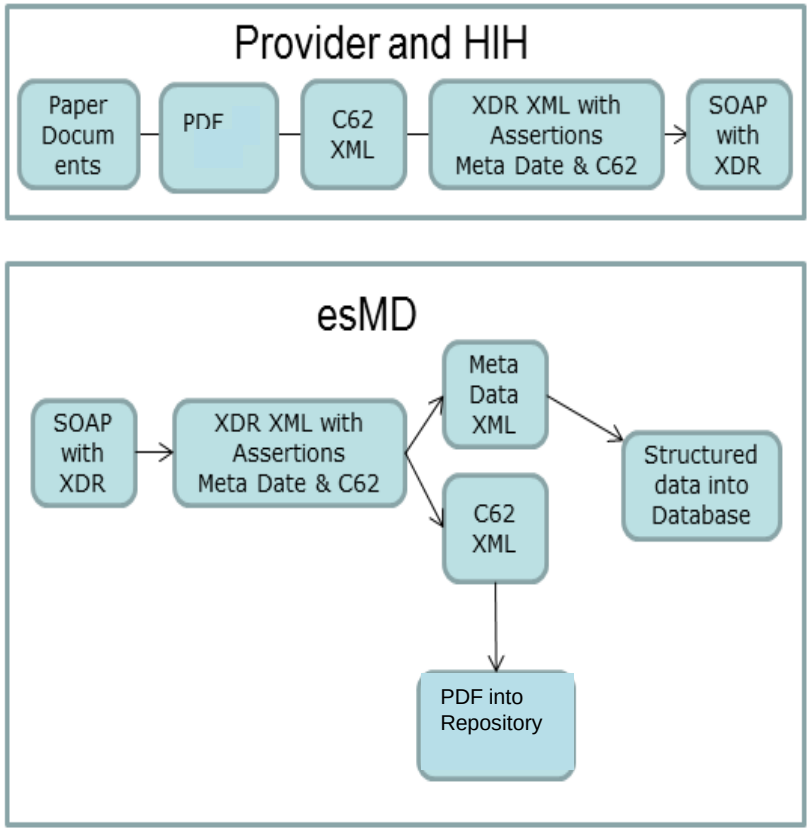


esMD Phase 1 – esMD XDR Implementation

XDR - SOAP Envelope

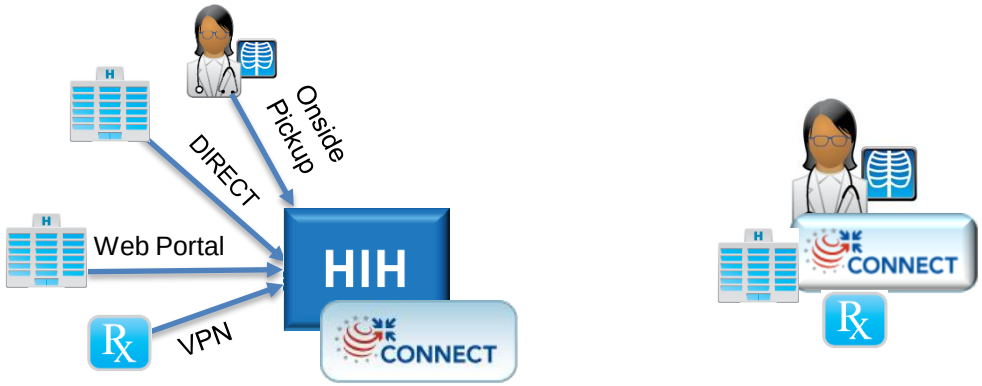


Data Conversion Flow

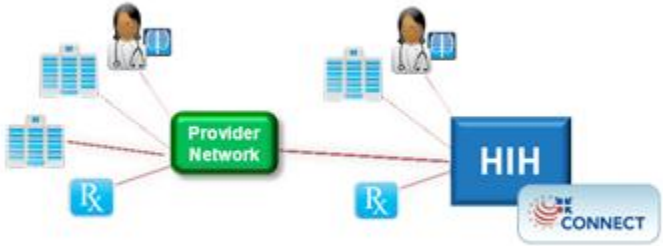


How Can Providers Obtain Access to a Gateway?

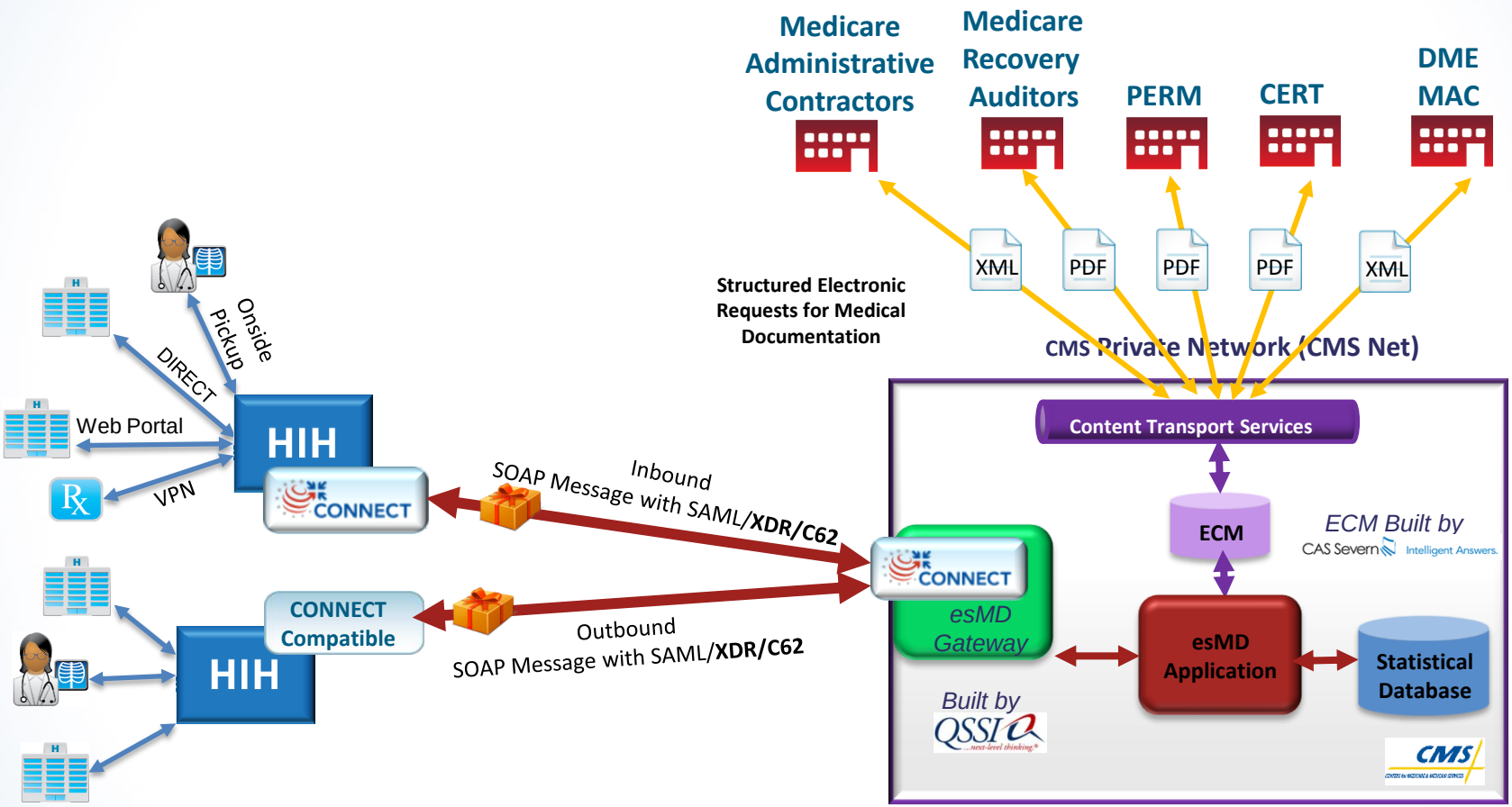
- Providers can contract with a Health Information Handler (HIH) or Providers can build their own gateway.



- esMD is open to Providers or Provider Networks



esMD Phase 2


Medicare Administrative Contractors
Medicare Recovery Auditors
PERM
CERT
DME MAC
XML
PDF
PDF
PDF
XML
Structured Electronic Requests for Medical Documentation
CMS Private Network (CMS Net)
Content Transport Services
ECM
ECM Built by
CAS Severn
Intelligent Answers.
CONNECT
esMD Gateway
esMD Application
Statistical Database
Built by
QSSI
CMS
Onside Pickup
DIRECT
Web Portal
VPN
HIH
CONNECT
Inbound
SOAP Message with SAML/XDR/C62
CONNECT Compatible
HIH
Outbound
SOAP Message with SAML/XDR/C62

What Next in esMD ?

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- **Future esMD Use Cases**

- **How will esMD accommodate ASC X12 transactions?**
  - Does CONNECT Support ASC X12 Transactions?
  - Are there any NHIN profiles to support the ASC X12 Transactions?

- **How will esMD allow outbound transactions from CMS esMD Gateway to HIH in compliance with FISMA and other security requirement?**
  - CMS Enterprise Architecture, Security and Policies.
  - S&I Framework
    - *Identify the Technical requirements to expand the esMD Use Cases.*
    - *Provider Profile Authentication*
    - *Author of Record*
    - *Structured Content*

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Current and Future Use Cases for esMD

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INBOUND

- Responses to Documentation Request Letters in PDF
- Appeal Requests in PDF
- Unsolicited Documentation in PDF (called paperwork or "PWK")
- Structured Orders, Progress Notes, ADMC Requests
- Structured esMD Phase 2 Registration
- Etc.

OUTBOUND

- Structured Outbound Documentation Requests
- Review Results Letters
- Demand Letters
- Etc.

LOOKUP

- Request\Receive Documentation Status
- Request\Receive Claim Status
- Request\Receive Appeals Status
- Request\Receive Eligibility Info
- Etc.

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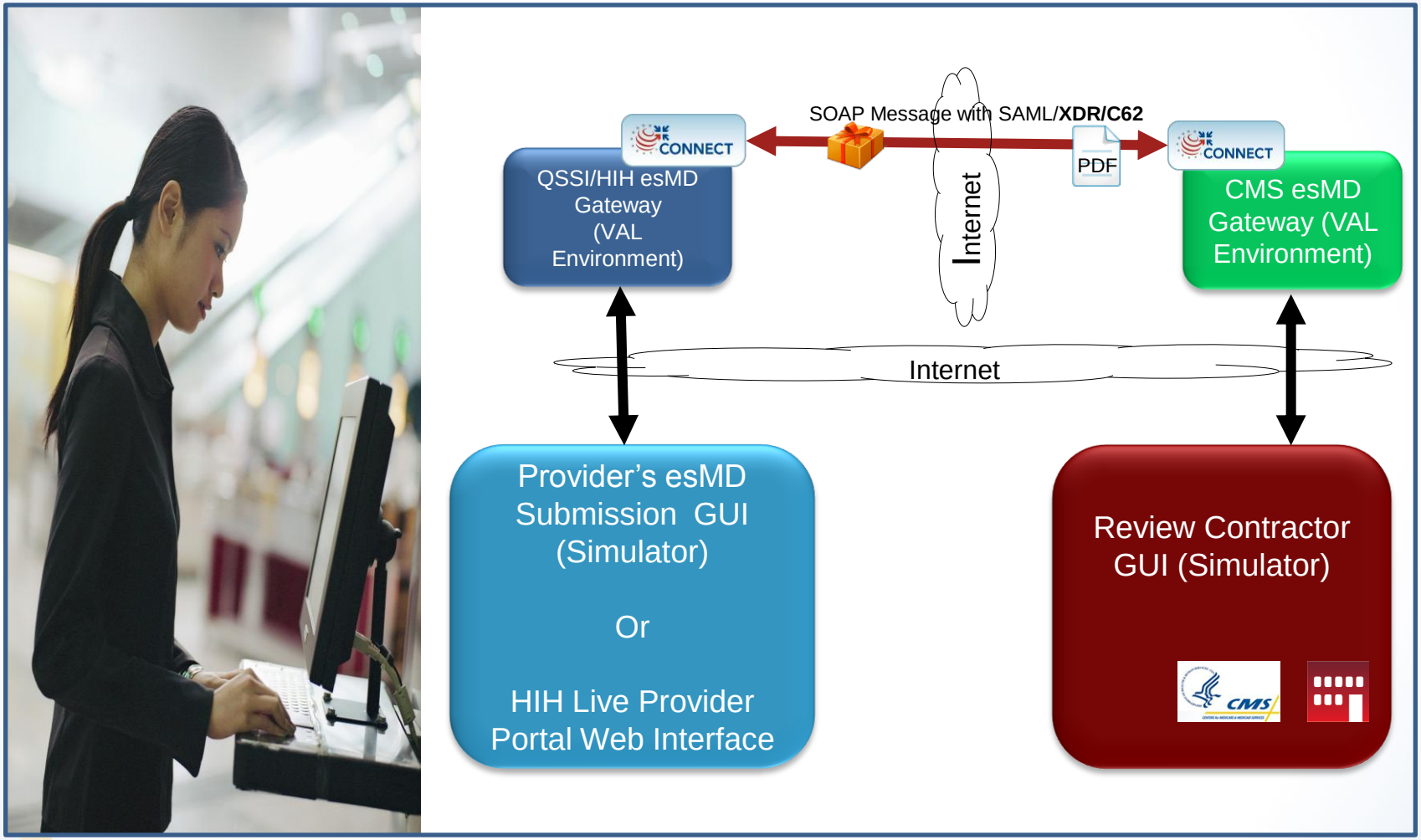
Demonstration at CMS Kiosk / CMS Kiosk ← → HIH Kiosk

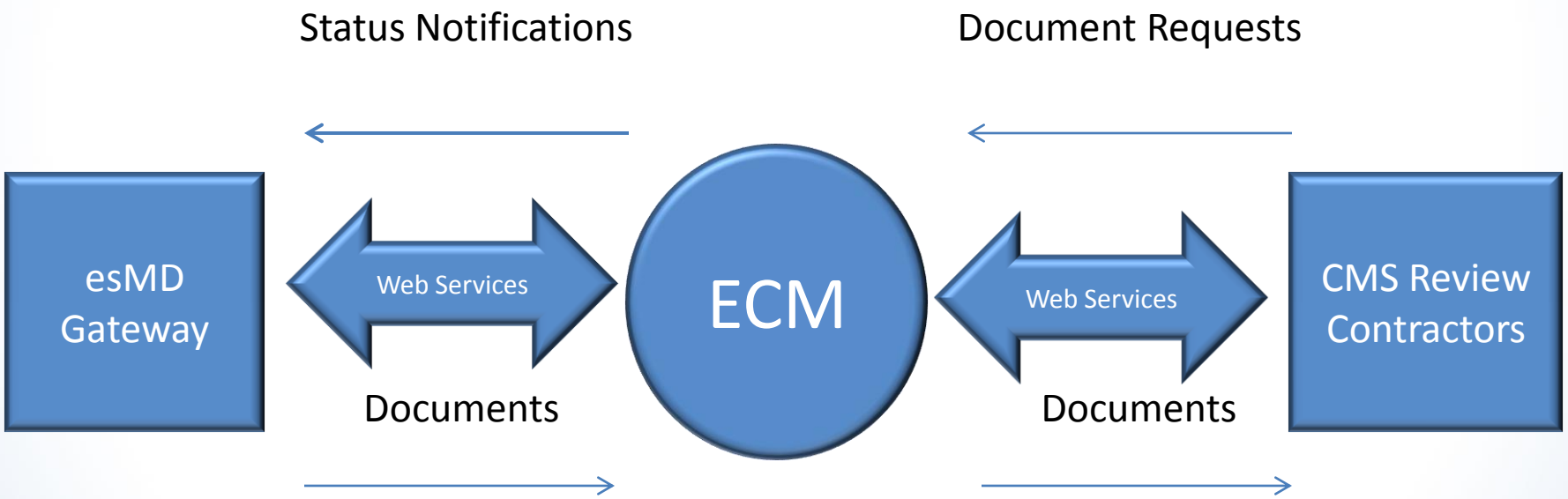


esMD Backbone and Review Contractor Interactions

- **Overview**
  - Workflow
  - Technology overview
  - Web Services
  - Enterprise Content Management

esMD Backbone and Review Contractor Interactions

Moving Parts



esMD Backbone

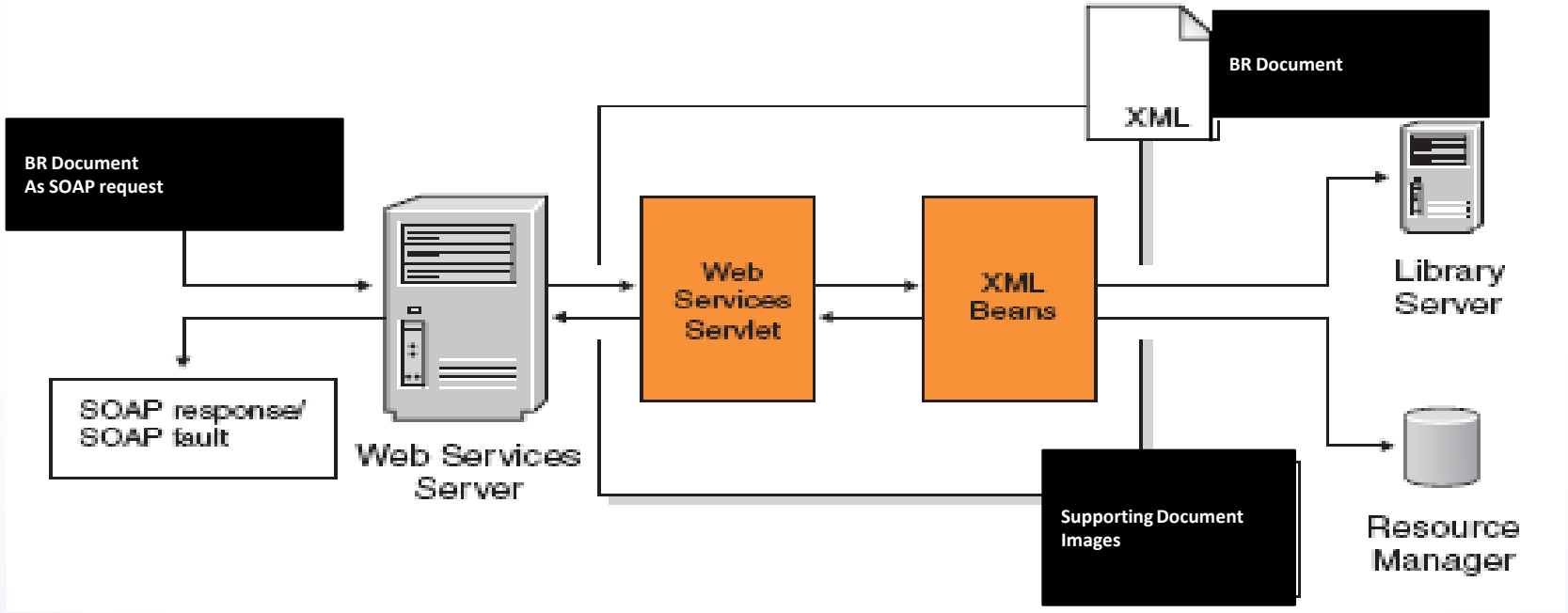
Systems at the CMS Baltimore Data Center

System	Role
Enterprise Content Management (ECM)	The CMS ECM system provides for temporary storage of esMD documents that are awaiting pickup by the Review Contractor.
SOAP Based Web Messaging Client Transport Services (CTS)	CTS is a Communication engine that allows cross-platform and multi-standard applications existing through the Review Contractor user base and the Gateway to integrate with the esMD.

Interoperability through Web Services Communication

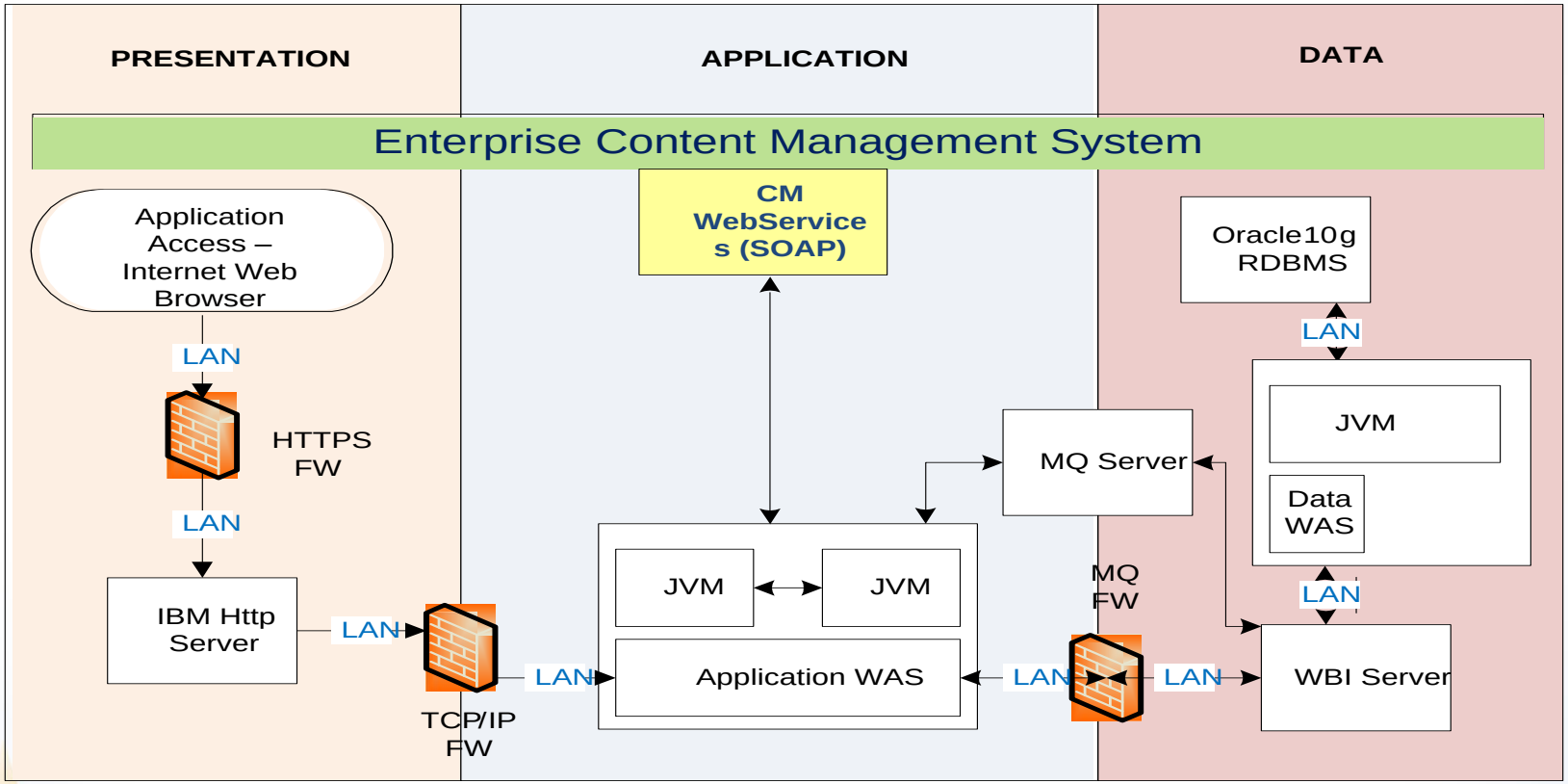
Interoperability through Web Services Communication

The CTS Web Services leverages SOAP-based message communications between the esMD Gateway, ECM and the Review Contractor end user base.



Enterprise Content Management

The esMD Gateway and Review Contractor client systems leverage CMS' Enterprise Content Management solution for the storage and retrieval of unstructured documents associated with esMD transactions.



Questions

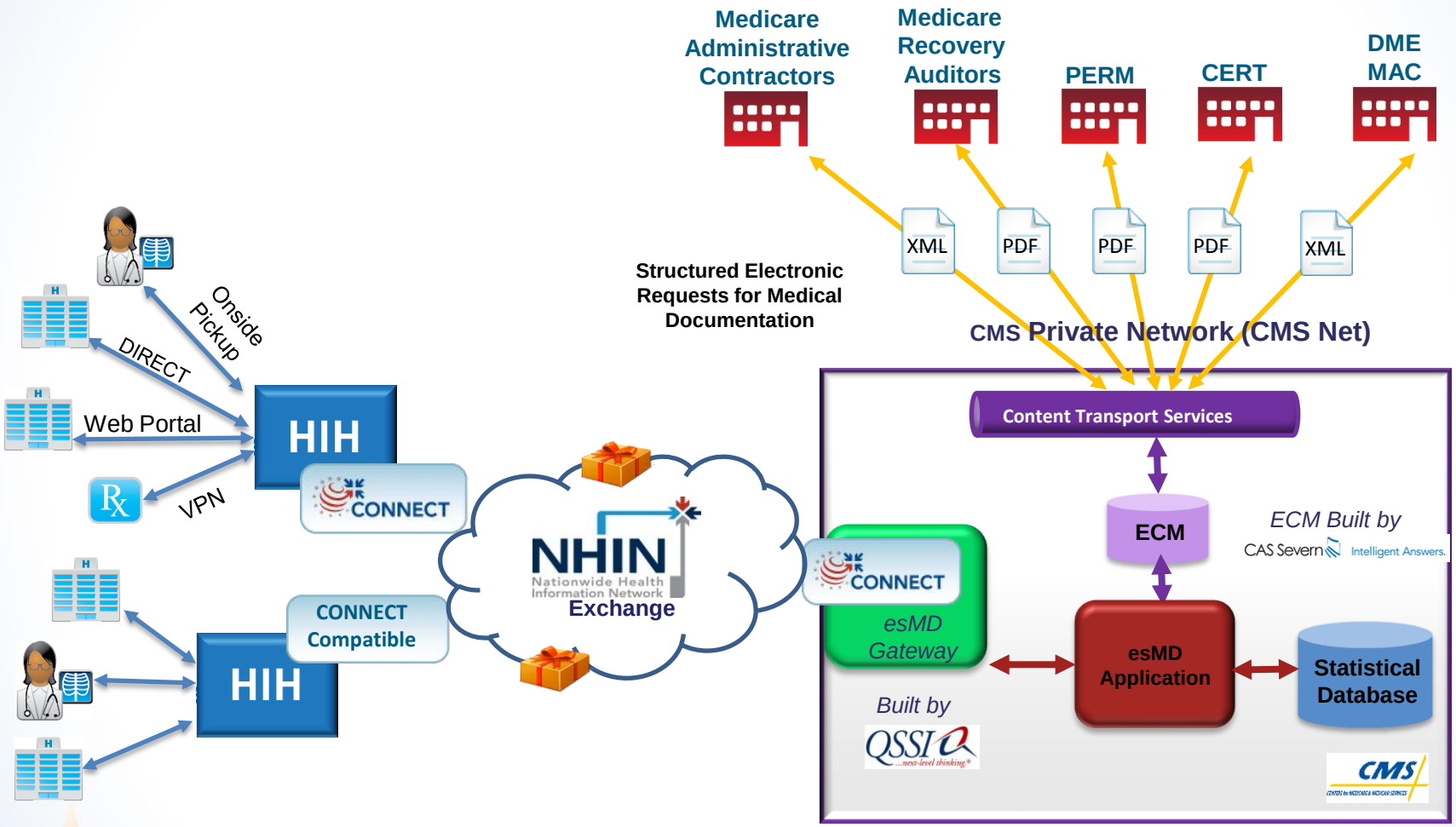
S&I Framework esMD Initiative

- The Standards and Interoperability (S&I) Framework empowers CMS to establish esMD standards, specifications and other implementation guidance that facilitate effective medical documentation exchange.

- Key objectives for the S&I Framework esMD Initiative :

1. Identify a standards-based machine-interoperable electronic format to replace the current paper version of the medical document request letter sent to providers.
2. Develop a registration process to allow Providers to sign up to receive electronic medical documentation request letters from CMS Review Contractors
3. Identify a secure method of sending medical documentation request letters from CMS review contractors to providers
4. Identify a solution that will enable an electronic replacement of wet signatures, for medical documents submitted from providers to CMS

esMD Phase 2 on NHIN Exchange



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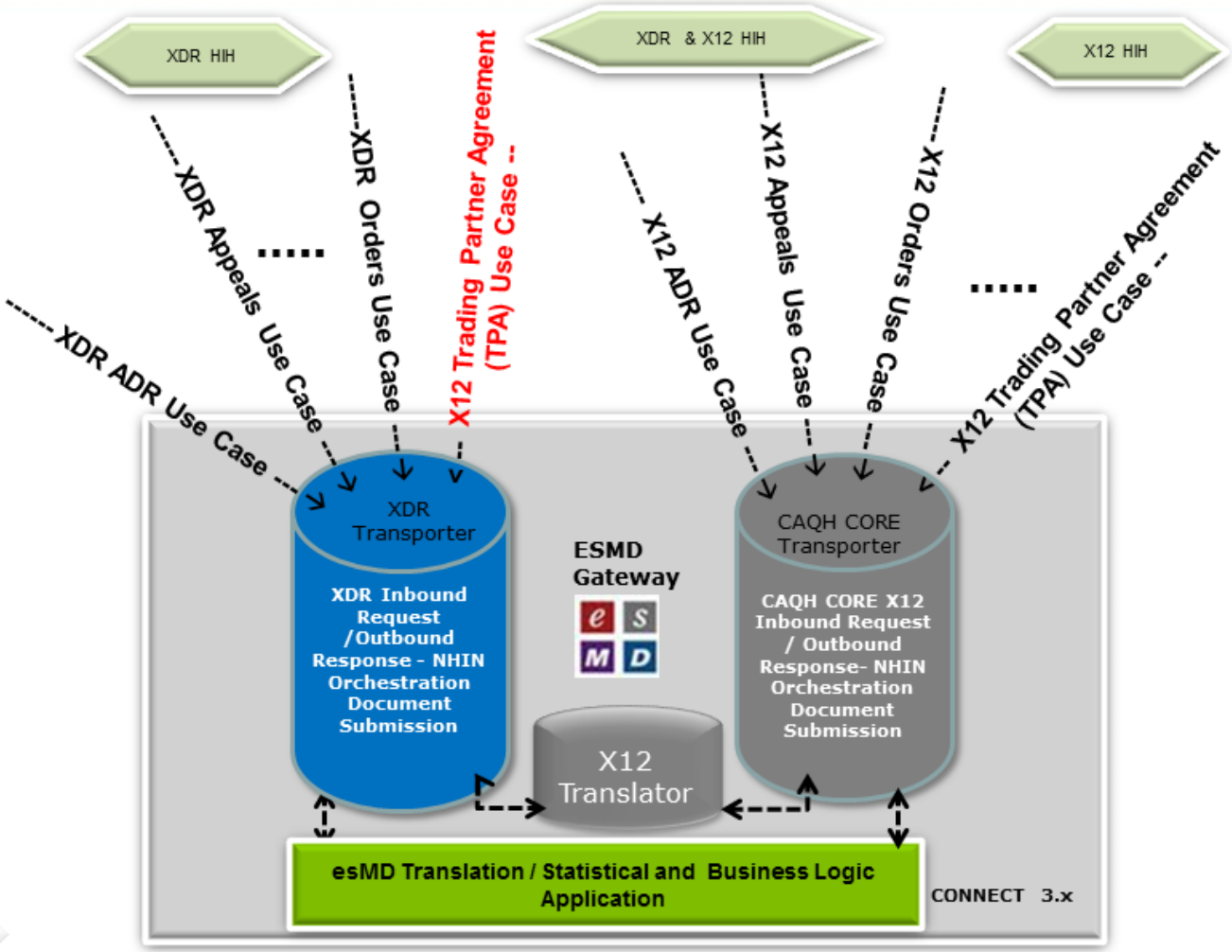
How to accommodate ASC X12 transactions through the esMD Gateway?

- Need to build CAQH Transport service (Parallel to XDR) in the CONNECT software by adopting NwHIN CAQH CORE X12 Document Submission Service Specification.

- Identify the ASC X12 Translator software to process the X12 Messages.

esMD ASC X12 with CAQH CORE and XDR Services