X12 PROOF OF CONCEPT UPDATE

AUGUST 2023

BACKGROUND

→ Recognizing the need for pilot testing, X12 solicited its licensing partners, looking for volunteers to participate in Proof of Concept (PoC, aka pilot) testing for the versions of its transactions put forward for adoption under HIPAA

→ The 12 volunteer organizations represent the main stakeholder groups; payers, providers, clearinghouses, and software vendors

→ The group operates under anti-trust and NDA protection.

KICK-OFF

→ The group's initial objectives were

- *Evaluating the viability of executing a meaningful proof of concept program*

- *Defining the initial scope, milestones, and resource constraints*

OBJECTIVES

→ Once the initial objectives were met, the group defined technical objectives:

- *Verifying the transactions work as expected and don't break something that worked in 005010*

- *Defining the initial scope, milestones, and resource constraints*

- *Validating the expected business benefits are realized*

- *Identifying unexpected obstacles and potential solutions or mitigation options*

- *Estimating implementation/transition costs*

- *Documenting and disseminating results*

MILESTONES

→ Then the group identified milestones based on the objectives:

- *Analysis of X12-created artifacts*

- *Remediation and integration into existing systems*

- *Testing approach definition*

- *Test scenario creation*

- *Test execution*

- *Documenting results*

- *Provide evidence to industry stakeholders*

TESTING APPROACH

→ End-to-End Workflow

→ Real scenarios

→ Synthetically generated test data

→ Six testing categories

- *X12 Standard Validation*

- *Implementation Guide Validation*

- *Balancing*

- *Code Set Validation*

- *Same Version Compatibility*

- *Cross-version Compatibility*

TESTING TOOLS

→ PoC participants are using the following to support their activities:

- *Online Implementation Guides and Differences Summaries*

- *X12 Table Data and XML Schema Definitions (XSDs)*

- *Synthetically generated Test Data*

CURRENT STATUS

→ The first two categories of testing are underway

- *X12 Standard validation*

- *Implementation Guide validation*

→ Results

- *Set 1 (837s and 835) – expected test results have been achieved consistently; a couple of clarifications may be useful as interpretation varied among the PoC*

- *Set 2 – testing underway*

CURRENT STATUS

→ The 6th category of testing is underway

- *Cross-version Compatibility*

→ Results

- *Set 1 (837s and 835) – No cross-version compatibility issues identified between the 008020 claims and the 005010 acknowledgments; additional testing underway*

- *Set 2 – cross-version testing not yet underway*

POC ORGANIZATIONS

→ X12 is appreciative of the organizations that have provided human and computer resources for the PoC so far, their willingness to pave the road for future implementers will result in smoother implementations for the whole industry

→ Two of the PoC organizations have elected to be named at this time

- *Optum*

- *TIBCO/Foresight*

OPTUM - ACTIVITY

→ Comparative analysis completed

- *X323 Health Care Claim: Professional (837)*

- *X324 Health Care Claim: Institutional (837)*

→ Edit analysis was underway

TIBCO/FORESIGHT - ACTIVITY

→ Implemented categories 1 & 2 syntax editing for all 4 recommended transactions

- *X323 Health Care Claim: Professional (837)*

- *X324 Health Care Claim: Institutional (837)*

- *X325 Health Care Claim: Dental (837)*

- *X322 Health Care Payment/Advice (835)*

→ Successfully performed cross-capability testing by generating 5010 999 responses and 5010 277CA responses from 8020 health care claim files

TIBCO/FORESIGHT - ACTIVITY

→ Time estimate: approximately 170 hours used to set up the 80-next structure

- *This will allow for more efficient migrations in the future*

- *Approximate estimate to complete testing categories 3-7 is 500+ hours*

→ Test files were provided to TIBCO clients for review and testing – pending responses

OTHER ORGANIZATIONS - ACTIVITY

→ Categories 1 & 2 testing

- *2 vendors and 1 provider have completed this activity*

→ Cross-version Compatibility

- *2 vendors have tested 008020 claims and 005010 acknowledgments*

→ Built a transformational tool to convert 005010 to 008020

- *1 vendor*

→ BA Analysis of the 008020 guides

- *1 payer is actively working on this analysis*

OTHER ORGANIZATIONS - ACTIVITY

→ Developed 837P and 835 test scenarios

- *1 vendor*

→ Developed and tested a large body of test scenarios

- *1 provider completed this testing with no issues reported*

→ Specific testing of the HI segment revisions

- *1 provider completed this testing with no issues reported*

PARTICIPATING ORGANIZATIONS

→ Unfortunately, the NCVHS recommendation that HHS not proceed with rulemaking at this time, has significantly impacted our PoC

- *Most of the participating organizations have reduced or paused their active participation*

- *Some organizations have indicated they will reallocate assets if NCVHS reconsiders the recommendation*

- *Other organizations have indicated they will not reallocate assets until an NPRM is issued*

COME JOIN X12

→ X12 Standing Meeting in Cincinnati

- *No meeting fees for X12 members*

- *October 1 – 5, 2023*

- *Meeting information, hotel, and registration details available online:*
  https://x12.org/news-and-events/meetings

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