

# THE MIGRATION MONITOR

YOUR QUARTERLY ISO 20022 INDUSTRY MIGRATION PROGRAM NEWSLETTER

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# WELCOME

Welcome back to the Migration Monitor – your quarterly ISO 20022 Industry Migration Program newsletter. Each quarter, we will publish a high level update of where the Program is up to and where we are headed. The Newsletter is published with a readership of vendors, service providers and non-Participant stakeholders in mind.

In this issue, we will provide updates on our recent publications, including recent Message Usage Guideline changes, the Back Office Requirements & Support Document, Test and Transition documents, and the Unifits Emulator.

Please feel free to contact our team via email at [iso20022@auspaynet.com.au](mailto:iso20022@auspaynet.com.au) if you would like to suggest topics for future editions.



## HANDY LINKS & RESOURCES



There is a whole library of resources available to vendors, service providers and non-Participant stakeholders:

- General information on [HVCS \(here too\)](#), including AusPayNet's [HVCS Regulations](#) and [Procedures](#).
- General information about the RBA's [RITS](#) (the Reserve Bank Information and Transfer System) and its [framework and processes](#).
- Link to the RBA [consultation](#) (there's [two!](#)) and their [conclusions paper](#) – the original consultations that kicked off the Migration Program in Australia and appointed AusPayNet as the central coordination authority.
- General information about the [ISO 20022 standards](#), including [external code lists](#).
- The [HVCS Community on MyStandards](#) provides access to the HVCS ISO 20022 MUGs (including relevant Release Notes) and the BORS document, the Industry Test Plan, Workbook and Strategy, and the Transition to Live Plan. The optional CFI ISO 20022 MUGs are also available through this community.



## RECAP

We have hit many milestones since our last Monitor, so here's a quick recap:

- In November 2021, we published Version 3 of the [Back Office Requirements and Support \(BORS\) Document](#), finalising the work of the Back Office (Requirements and Support) Working Group (BOWG), and transferring maintenance of the BORS to the Change Control Board (CCB). In February 2022, we published Version 3.1, correcting a few typos and providing some clarifying information for Participants.
- In December 2021, we released Version 1 of the [Industry Test Plan and Workbook](#), providing an interim preview to Participants so they can monitor progress and continue working towards the start of Industry Testing. In February 2022, we published Version 2 finalising all functional testing requirements, and then in March 2022, we published Version 3 completing the document set with the non-functional testing and reporting requirements.
- We developed the Getting Started Guide – a comprehensive instruction on connection to the HVCS MX Pre-Production (Pilot) Closed User Group (CUG).
- In December 2021, we issued the first version of the [FAQ Register](#), a compilation of useful resources for Participants, including common questions and answers, a list of key Program documents (and where to find them), and a catalogue of ISO Bites recordings. Since then, we have issued two more versions of this document, each building on the last.
- Also in December 2021, we announced the publication of the first [Migration Services Marketplace](#) on the public AusPayNet website: contact details and summary information provided by service providers who have products and / or services relevant to Participants in the ISO 20022 Industry Migration Program.
- In Q4 2021, we agreed to retain spreadsheet-based manual Participant outage contingency arrangements (based on the MT format only) throughout Coexistence, and to develop procedures for and test simultaneous MT/MX CUG T-Copy contingencies for a RITS outage. We also agreed to continue, during the Coexistence period, exploring MX contingency options for a Participant outage.
- In December 2021 and January 2022, the CCB reviewed changes to the CBPR+ specification and assessed implications for the [HVCS ISO 20022 Usage Guidelines](#). Following this review, Technical Version 9 of the HVCS Message Usage Guidelines (MUGs) was published at the end of January 2022.
- Over the past six months, we continued work with Unifits on the development and release of our [HVCS ISO 20022 Emulator](#) and released the supporting Emulator Information Pack. The tool was released to all Participants and their vendors in February 2021.
- Finally, in February 2022, we mobilised the Governance and Legal Working Group (GLWG) to facilitate the development of the new HVCS Procedures. While ongoing, this work is on track to be completed by the end of Q2 2022.

# MUGS & SCHEMAS

Towards the end of 2021, we noted that CBPR+ were considering, and subsequently approved, a small number of change requests relating to the CBPR+ specification. The resultant Version 2.1 of the CBPR+ Usage Guidelines was released (via MyStandards) on Friday, 21 January 2022. Details of the changes being implemented can be found here, on the [CBPR+ Landing Page](#) on MyStandards.

The Change Control Board (CCB) met twice to assess the implications of these CBPR+ changes for the HVCS specifications and endorsed a total of five changes for approval by the Industry Migration Steering Committee (IMSC), for immediate implementation into the HVCS MUGS. These five were:

- Three changes equivalent to ones made by CBPR+
- One typo correction to the commentary inside the MUG; and
- One rule change to simplify the application of an element impacted by one of the CBPR+ changes.

On Wednesday, 19 January 2022, the IMSC reviewed and approved the changes endorsed by the CCB.

Both the CCB and IMSC carefully considered the driver for each of the changes deemed necessary to be made now.

Importantly:

- In some cases, little or no impact or re-work to system build already complete was anticipated; changes relate to correction or removal of incorrect or confusing guidance.
- In other cases, changes were needed to avoid the risk / possible need for message truncation and to support MT/MX translation – both aspects being fundamental to the success of our overarching industry approach.

To support this release, we:

- Developed comprehensive Release Notes covering all changes made since the previously published Technical Version 8.
- Created new comparisons between the CBPR+ Version 2.1 specifications and the HVCS Technical Version 9 specifications;
- Updated the sample messages, available for pacs.008, pacs.009, pacs.009COV, pacs.004 and camt.056 and camt.029, accommodating the updated specifications;
- Refreshed the Readiness Portal, allowing Participants to validate their test messages against the updated specifications;
- Ensured the Unifits Emulator, due to be released in Q1 2022, is based on the Technical Version 9 specifications; and
- Updated the FAQ Register (attached as IMP018.A2) with references to the new Technical Version.

All documents and samples are attached to the [collection in MyStandards](#).

**It is incumbent on all Participants (and their vendors) to ensure their build accommodates this Technical Version 9 (January 2022) release of the HVCS specifications for the Industry Testing.**

As we have previously mentioned, while we would love to promise that there will be no further changes to the MUGs, we know that, as Participants start truly testing the specifications, there may be some defects that will require changes. As always, our aim with the CCB and IMSC is to minimise change during the Program and limit changes to only those that are absolutely necessary.

## BORS DOCUMENT

On Monday, 29 November 2021, we published Version 3 of the Back Office Requirements and Support (BORS) Document, closing the final action of the Back Office Requirements and Support Working Group (BOWG). This finalisation transferred the maintenance of the BORS Document to the CCB.

Since releasing Version 3 of the BORS document to the industry, the PMO has maintained a log of enhancements, corrections and clarifications which have arisen as a result of Participant support requests, RBA discussion and aforementioned MUG changes.

The CCB met on Wednesday, 2 February 2022 to discuss this log and agree updates to the BORS Document, ahead of a Version 3.1 release.

The CCB met again on Tuesday, 22 February 2022, to finish this discussion. With the exception of maintaining consistency with approved changes to the MUGs, no new or changed Participant requirements were introduced; only corrections and improved clarity / guidance.

Version 3.1 of the BORS Document was published to the industry on Wednesday, 1 March 2022. While a clean copy is available, we have also provided a marked-up copy so Participants can easily identify all changes between Version 3 and Version 3.1.

Version 3.1 will be the final version of the BORS Document. The requirements outlined in the BORS Document will be absorbed by the HVCS Procedures, which are due to be finalised by the end of Q2 2022.

## FAQ REGISTER

These frequently asked questions have been compiled from a range of sources including Participant meetings, working group meetings, ISO Bites sessions, the [iso20022@auspynet.com.au](mailto:iso20022@auspynet.com.au) mailbox and Participant/vendor support requests.

This FAQ document will be maintained, updated and re-published from time to time throughout the Program. We deliberately avoid reproducing large amounts of information already covered elsewhere but do include references to relevant documents.

The Program PMO receives a high volume of queries and always aims to review and respond in a timely manner. However, the Program has published a comprehensive range of key requirements and guidance materials, and Participants are encouraged to become familiar with them.



They include key documents in MyStandards, ISO Bites recordings, this FAQ, the monthly Migration Messenger newsletter, and Working Group Papers and other documents on the MS Teams Program Information Hub. Links to all this information and other training and education resources are all included.

The Version 3 of the FAQ Register is through current Technical Version of the HVCS MUGs in [SWIFT's MyStandards](#).



# TEST DOCUMENTATION

## Industry Test Plan & Workbook

In December 2021, we published the Version 1 of each of the Industry Test Plan and Workbook. This was provided as an interim version so Participants could track our progress towards the start of Industry Testing in April 2022.

In finalising the Industry Test Plan, we adopted a 'scenario-based' approach. This approach uses the message flows defined in the BORS Document as its base, focussing on real-world scenarios to test functionality and the system.

In this way, Participants will unilaterally test the building blocks of a message flow, before bilaterally (or multilaterally) testing the entire end to end message flow. Using the BORS Document scenarios as our base, we have described the numerous variations (MX/MX, MT/MX and MX/MT) of each scenario, and each has related Unilateral and/or Bilateral/Multilateral test cases.

This coverage provides Participants ample opportunity to test their understanding and application of the formal rules (of the Usage Guidelines), while also containing the Industry test suite to a practical number of test cases.

The range of tests that are mandatory for Day 1 of Coexistence will be dependent on a Participant's declared Day 1 functionality (as noted in their Pre-Test Declaration).

Participants will still have the opportunity to apply for exemptions to the defined Industry Test Suite (i.e., misalignment to industry scope and/or schedule) where appropriate.

The Industry Test Workbook outlines all Industry Test requirements, scenarios and cases and forms the foundation for Participant progress reporting and certification.

It is important to note that the Industry Test requirements outlined in the Workbook describe only the minimum level of testing to be completed by each Participant.

It is expected that all Participants' internal testing will expand upon the Workbook to include testing of back office systems, validations, translations and processes.

Version 2 of the Industry Test Plan and Workbook provided the industry with all functional test requirements, and Version 3 expanded the scope of the document with the inclusion of all non-functional test requirements.

Version 3 of both documents are available through the HVCS Community on SWIFT MyStandards.



## Test Registers

The [Buddy Grouping Register](#) is a compilation of reference data to support Participant bilateral and multilateral testing. The document includes:

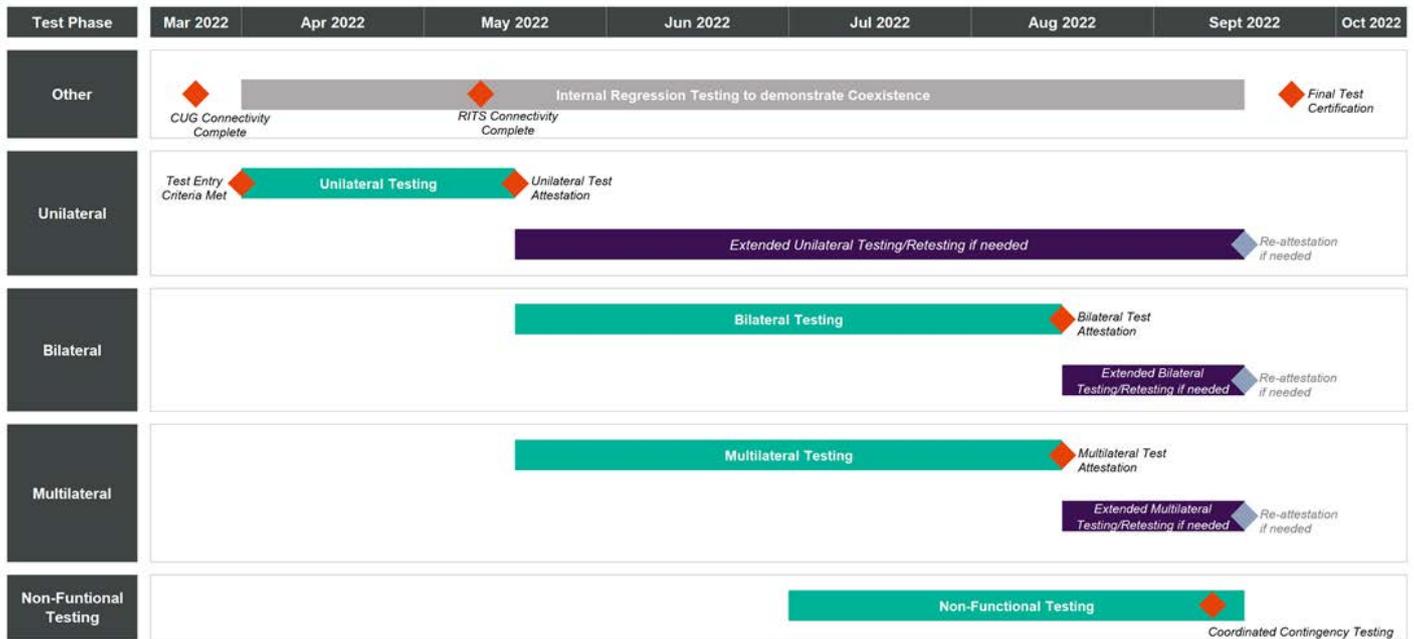
- What functionality each Participant intends to test during the 2022 Industry Test phase;
- Which Participants are assigned as 'evening agreed banks' in RITS;
- The Test BIC (for MT test traffic) and Distinguished Name (DN) to be used in testing for each Participant; and
- The primary and secondary Test Leads for each Participant.

The [2022 Test MX Readiness Register](#) provides the test version of the MX Readiness Register to be used in production to manage the shift to Exception and Investigation (E&I) functionality during Coexistence. We have populated this table by using the Buddy Register as a reference, however, we have asked Participants to let us know if they will be testing E&I functionality but won't be ready to test that functionality from the start of Industry Testing.

The [Industry Test Defect Register](#) outlines any industry-level defects. Importantly, this does not include any internal Participant defects. Rather, industry-level defects would include configuration issues with the new MX Closed User Group (CUG) or other SWIFT problems impacting whole of industry, defects within RITS or the Unifits Emulator, or issues within the HVCS Message Usage Guidelines (MUGs).

The most current version of each of these registers will always be available through the HVCS Community on SWIFT MyStandards.

# Participant Test Schedule & Milestones



#	Milestone	Description	Date/s
1	Connectivity to pilot MX CUG complete	<ul style="list-style-type: none"> <li>Upgrade of SWIFT Alliance Access (SAA), Alliance Messaging Hub (AMH) or alternative gateway (to allow support of both FIN and InterAct services) is complete.</li> <li>Application to HVCS MX Pre-Production CUG is successful, processed by SWIFT and connectivity is established.</li> <li>Participant has advised PMO of DNs Distinguished Names) and BICs to be used for testing, and Test Lead contacts for inclusion in Buddy Register and RITS.</li> <li>Loopback test (of a camt.xxx message) completed.</li> </ul>	13 March 2022
2	Test Entry Criteria met	<ul style="list-style-type: none"> <li>Access to Readiness Portal and Unifits Emulator confirmed.</li> <li>May include vendor implementation and implementation of changes to proprietary systems and back office systems.</li> <li>Including internal development of test cases and planning for extensive counterpart testing.</li> </ul>	1 April 2022
-	Unilateral Test Phase		1 April – 13 May 2022
3	Connectivity to RITS Pre-Production Environment complete	Connectivity to RITS Pre-Production Environment confirmed.	1 May 2022
4	Unilateral Test Attestation Due	<ul style="list-style-type: none"> <li>All applicable unilateral test cases completed successfully</li> <li>Unilateral Attestation submitted to PMO</li> </ul>	13 May 2022
-	Bilateral Test Phase		16 May – 12 August 2022
5	Bilateral Test Attestation Due	<ul style="list-style-type: none"> <li>All applicable bilateral test cases completed successfully</li> <li>Bilateral Attestation submitted to PMO</li> </ul>	12 August 2022
-	Multilateral Test Phase		16 May – 12 August 2022
6	Multilateral Test Attestation Due	<ul style="list-style-type: none"> <li>All applicable Multilateral test cases completed successfully</li> <li>Multilateral Attestation submitted to PMO</li> </ul>	12 August 2022
-	Non-Functional Test Phase		4 July – 16 September 2022
7	Coordinated Contingency Testing	<ul style="list-style-type: none"> <li>Participation in coordinated contingency testing, simulating a RITS outage and a Participant outage.</li> <li>All applicable test cases completed successfully.</li> </ul>	6 – 8 September 2022
8	Phase Re-Attestation Due (if needed)	<ul style="list-style-type: none"> <li>Any re-testing completed successfully (if required)</li> <li>Re-attestation submitted to PMO as necessary</li> </ul>	16 September 2022
-	Internal Regression Testing		1 April – 16 September 2022
9	Final Test Certification Due	<ul style="list-style-type: none"> <li>All applicable test cases completed successfully, including all non-functional and regression testing.</li> <li>Final certification submitted to PMO.</li> </ul>	30 September 2022

# UNIFITS EMULATOR

In February 2022, we released the [Unifits HVCS ISO 20022 Emulator](#) to facilitate Participant testing. The release was supported by the Emulator Information Pack, which includes links to a recorded demo and detailed instructions on how to use the tool to:

- Validate test messages against the HVCS ISO 20022 Usage Guidelines;
- Create/build messages according to the HVCS ISO 20022 Usage Guidelines; and
- Derive response messages, based on test data, allowing Participants to test a full message flow.

The Emulator Information Pack can be accessed through the HVCS Community in the AusPayNet Group on [SWIFT's MyStandards](#).

The Emulator is available to all Participants and their vendors, and there is no restriction on the number of users per organisation. Please click here to [register](#).

## So what's the difference between SWIFT's Readiness Portal and the Unifits HVCS ISO 20022 Emulator?

Participants may choose to use either or both tools for testing. Both tools validate against the formal rules in the MUGs, however the Unifits Emulator has some additional benefits:

- Some textual rules and comments in the MUGs are checked in the Emulator. Only formal rules are checked in the Readiness Portal.
- The following RITS validation rules are also checked in the Emulator:
  - <IntrBkSttlmAmt> Currency – AUD only is allowed
  - <IntrBkSttlmAmt> Decimals – The format should always be n.nn [e.g. 100.00]
  - <IntrBkSttlmDt> Date Check – Cannot be past date; Will accept Australian business days only; and Future dated payment is allowed with today + 5 days only.
- We've recently added an error response to the Emulator validation that mirrors the RITS validation for a BIC11 [not a BIC8] in the From and To fields in the BAH, for all HVCS MUGs. The tool will return an error if a BIC11 is not populated in these elements.
- Finally, the Emulator can also derive associated messages from a chosen message. For example, the associated pacs.004, xsys.002 and xsys.003 can be derived for a particular pacs.008 message.



## MIGRATION SERVICES MARKETPLACE

AusPayNet is pleased to announce the launch of the Migration Services Marketplace for Participants: contact details and some basic information provided by service providers who have products and / or services relevant to the ISO 20022 Industry Migration Program.

Any potential service provider is free to submit details for inclusion on the Marketplace.

It is important to note that inclusion in the Marketplace does not indicate any preference or endorsement of those organisations on the part of AusPayNet.

Participant institutions will be cautioned not to rely upon inclusion and to take all necessary steps to perform their own due diligence in considering and selecting service providers.

Please use [this form](#) to register for inclusion and to provide the information you would like to share with industry Participants on the AusPayNet Migration Services Marketplace web page.



## ISO BITES

### ISO BITES are back!!

These are our regular ISO 20022 Industry Migration Program information sessions for key Program stakeholders. Each session addresses a single topic, providing a deep dive presentation and a chance for attendees to have their questions answered.

As always, we will communicate upcoming topics, along with registration links, each month in the Migration Messenger, and again in the week before the session. Members are encouraged to register for as many (or as few sessions) as they like: there are no attendee caps or minimum attendance thresholds. We'll also let you know if we are opening a particular topic to vendors or non-Participant attendees.

Please [reach out](#) if there are any particular topics that you would like us to cover.

Links to the recordings of previous ISO Bites sessions can be found in the FAQ Register on [MyStandards](#).



### Upcoming Sessions

**29 April 2022**

#### **[Non-Functional Testing](#)**

Detailed walk through of Non-Functional Testing - the primary change in Version 3 of the Industry Test Plan and Workbook.

# KEY PROGRAM DOCUMENTATION

Name	Description	Location	
<b>HVCS Message Usage Guidelines (MUGs)</b>	ISO 20022 message specification, hosted on MyStandards Collection: APN_HVCS_2020 // Current Technical Version 9	Via the <a href="#">HVCS Community in MyStandards</a>	
<b>Back Office Requirements &amp; Support (BORS) Document V3.1</b>	Provides comprehensive, practical business interpretations of technical design and requirements documentation to support the business implementation and ongoing use of ISO 20022 for the HVCS.	Available via the <a href="#">HVCS Community in MyStandards</a>	
<b>FAQ Register V3</b>	An invaluable resource, bringing together all of the available information related to the Industry Migration Program, along with answers to dozens of frequently asked questions. These questions have been compiled from a range of sources including Participant meetings, working group meetings, ISO Bites sessions, the PMO mailbox and Participant support requests.		
<b>Industry Test Strategy V1</b>	A high-level overview of how Industry Testing will be facilitated.		
<b>Industry Test Plan V3</b>	Detailed information regarding Industry Testing, including the test scope, certification, reporting, milestones and buddy groupings.		
<b>Industry Test Workbook V3</b>	Articulation of Industry Test requirements, cases and scenarios, forming the foundation for Participant progress reporting and certification.		
<b>Test Registers</b>	Reference data to facilitate Participant testing; includes Buddy Grouping Register, 2022 Test MX Readiness Register and Industry Test Defect Register.		
<b>Industry Transition to Live Plan V1</b>	Outline the activities to be undertaken by stakeholders to ensure a successful transition from industry testing to implementation in the HVCS production environment and start of the Coexistence period from November 2022.		
<b>Getting Started Guide - Pre-Production CUG</b>	A comprehensive instruction on connection to the HVCS MX Pre-Production (Pilot) Closed User Group (CUG)		
<b>Emulator Information &amp; Starter Pack V2</b>	A compilation of how-to guides, demo videos and security information relating to the Unifits HVCS ISO 20022 Emulator.		
<b>MUG Comparisons – HVCS to CBPR+</b> [Current as of Jan 2022]	Line by line comparisons between HVCS and CBPR+ message specifications.		
<b>MUG Release Notes</b> [Current as of Jan 2022]	Release notes, updated as we progress through different versions of the MUGs.		
<b>Migration Monitor</b>	Quarterly industry newsletter providing a full program overview/update.		Available via ISO 20022 page on the <a href="#">AusPayNet website</a>
<b>Migration Services Marketplace</b>	Summary and contact information for vendors and service providers related to the Industry Migration Program.		

## Acronyms

<b>AIF</b>	RITS Automated Information Facility
<b>AML/CTF</b>	Anti-Money Laundering/Counter-Terrorism Funding
<b>APC</b>	Australian Payments Council
<b>ARWG</b>	AUSTRAC Reporting Working Group
<b>ASX</b>	Australian Stock Exchange
<b>BAH</b>	Business Application Header
<b>BIC</b>	Business Identification Code
<b>BOWG</b>	Back Office [Requirements & Support] Working Group
<b>BORS</b>	Back Office Requirements & Support Document
<b>CBPR+</b>	Cross-Border Payment Reporting Plus
<b>CFI</b>	Customer-to-FI / FI-to-Customer message set
<b>CGI-MP</b>	Common Global Implementation Market Practice
<b>CUG</b>	Closed User Group
<b>DRWG</b>	Design & Requirements Working Group
<b>E&amp;I</b>	Exceptions & Investigations
<b>FI</b>	Financial Institution
<b>GLWG</b>	Governance & Legal Working Group
<b>GPI</b>	SWIFT's Global Payment Initiative tracker
<b>HVCS</b>	High Value Clearing System
<b>HVPS+</b>	High Value Payment Systems Plus
<b>IFTI</b>	International Funds Transfer Instruction
<b>IMSC</b>	ISO 20022 Industry Migration Steering Committee
<b>ITWG</b>	Industry Testing Working Group
<b>LEI</b>	Legal Entity Identifier
<b>MC4</b>	Management Committee 4 (the HVCS Management Committee)
<b>MUG</b>	Message Usage Guideline
<b>PDWG</b>	Project Delivery Working Group
<b>PEXA</b>	Property Exchange Australia
<b>PMPG</b>	Payment Market Practice Group
<b>PMO</b>	Program Management Office
<b>QA</b>	Quality Assurance
<b>RBA</b>	Reserve Bank of Australia
<b>RFT</b>	Request For Tender
<b>RITS</b>	Reserve Bank Information and Transfer System
<b>SR2020</b>	ISO 20022 Standards Release 2020
<b>TOR</b>	Terms of Reference
<b>XML</b>	Extensible Markup Language



## WHAT'S NEXT?

In the next edition of the Monitor, we will provide the usual Program updates, our observations on test progress, and an outline of our approach to Production Verification Testing.

In the meantime, if you have any questions, or would like any further information, please feel free to contact the PMO via email to [iso20022@auspaynet.com.au](mailto:iso20022@auspaynet.com.au).



The PMO welcomes all feedback from Participants and Program Stakeholders to support our commitment to continuous improvement. We are particularly interested in what is working well, and what else you would like to see from the Program. Please use [this form](#) to submit your feedback.