Sparked

HL7® FHIR®

| Purpose | Program Status Report |
| Audience | Community |

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Sparked Dashboard — May 2024 — Operations Phase

Overall Status: 🟢

Clinical Design Group
461 Members
Meets Monthly
~60 Regular attendees

AU Core Technical Design Group
422 Members
Meets Weekly
~60 Regular attendees

AU eRequesting Technical Design Group
360 Members
Meets Weekly
~60 Regular attendees

Sparked Followers
LinkedIn **969**
+205 in last 30 days

82
May F2F CDG attendance

53
May F2F/Hybrid AU Core Ballot Resolution attendance

Sparked Subscribers
598

DIGITAL HEALTH FESTIVAL **+75**
Registrations since DHF24

100%
of TDG Issues/decisions resolved for AU Core IG R1
69% decisions actioned

> "really encouraging to see ... the work being practically done to solve [interoperability]"
> Dr. Roy Mariathas - RACGP

May
- **May 15** Sparked TDG & CDG F2F — 82 attendees (Sydney)
- **May 16** AU Core R1 Ballot Resolution (Sydney) — 53 attendees
- **May 22** Sparked Webinar — Updates on Sparked Program

June
- **June 6** Sparked AU Core Testing Briefing — Briefing on testing approach
- **June 27** AU Core Testing Event — Brisbane

July
- **June 5** Sparked Webinar — Updates on Sparked Program
- **July 15** AU Core Testing Event F2F — Sydney

August
- **Aug 1** AU Core Testing Event — Melbourne
- **Aug 4** HIC Sparked Workshop — Brisbane
- **Aug 13** CDG — Online
- **Aug 20-22** HL7 Connectathon — Brisbane
- **Aug 28** Sparked Webinar — Updates on Sparked Program

September
- **Sept 11** Sparked CDG F2F — Brisbane
- **Sept 12** Sparked CDG F2F — Brisbane

open collaborative transparent consensus-driven

Sparked Summary Status

Status Summary | Overall Health

A successful F2F Clinical Design Group (CDG) was held on 15 May in Sydney, which discussed the year so far as well as the scoping of AUCDI R2 and associated use cases. Sparked Program's work on FHIR implementation guides continues to make consistent headway in April, with our team now successfully completing the AU Core FHIR IG Ballot Resolution meeting on 16 May in Sydney and online. The Sparked AU Core and AU eRequesting Technical Development Groups (TDGs) have continued regular meetings, focusing on the development of the specifications and resolution of key items. Review of AUCDI R1 Feedback continues, while the AUeReqDI R1 Draft for Comment was released to the community on 20 May. Preparations for the testing and pilot phase of the AU Core FHIR standards continues with a focus on ensuring the required infrastructure, assembling testing kits, and creating test data are available for testing and pilot of AU Core FHIR standards. The next Sparked community event is the Sparked Webinar on 22 May with preparations for engagements in July, August and September with the Sparked community underway.   Planning for the additional funding received in the 24/25 budget for Sparked will commence to support planning work for primary care, internationally consistent patient summary and digital chronic and complex conditions management plan.

Green

Decisions Requested

NIL

Milestone Summary

Milestone	Status
AU Core FHIR IG R1 Draft for Comment Ballot phase complete: 5 April 2024	Complete
AUCDI R1 Publication preparation phase complete: 31 May 2024	Green
AU Core FHIR IG R1 Ballot resolution period complete: 31 May 2024	Green

Schedule	Risks	Issues	Resources	Budget
Green	Green	Green	Green	Green

Program Engagement Status

Report Date:	31 May 2024	**Program Status:**	Green
Report Period:	May 2024	**Program Phase:**	Operations

Completed

April

Stakeholder Engagement
- 16 Apr - Introduction to AU Core
- AU Core Testing meetings
- Clinical Colleges meetings

Events
- 4 Apr - Sparked AU Core TDG Online
- 5 April – AU Core Conformance & Must Support Online
- 11 Apr – Sparked AU eRequesting TDG Online
- 12 April – AU Core Conformance & Must Support Online
- 17 April – Sparked CDG OOS: Sex and AU eRequesting
- 18 Apr - Sparked AU Core TDG Online
- 19 April – AU Core Conformance & Must Support Online
- TBD Apr - Sparked AU eRequesting TDG Online
- 26 April – AU Core Conformance & Must Support Online
- 23 Apr - Sparked CDG Online

Communications
- Program Status Update

Completed

May

Stakeholder Engagement
- 22 May – Sparked Webinar
- AU Core Testing meetings
- Clinical Colleges meetings

Events
- 2 May – Sparked AU Core TDG Online
- 7 May – Digital Health Festival
- 9 May – Sparked AU eRequesting TDG Online
- 14 May – Sparked AU eRequesting TDG Online
- 15 May - Sparked CDG & TDG F2F
- 16 May – Sparked AU Core FHIR IG R1 Ballot Resolution F2F
- 23 May – Sparked AU eRequesting TDG Online
- 28 May – Sparked AU eRequesting TDG Online
- 30 May - Sparked AU Core TDG Online

Communications
- Program Status Update

Planned

June

Stakeholder Engagement
- AU Core Testing meetings
- Clinical Colleges meetings

Events
- 4 June – RACGP Technical Committee
- 5 June - Sparked AU Core TDG Online
- 11 June – Sparked AU eRequesting TDG Online
- 13 June – Sparked AU Core TDG Online
- 20 June – Sparked AU eRequesting TDG Online
- 25 June – Sparked AU eRequesting TDG Online
- 27 June - Sparked AU Core TDG Online

Communications
- Program Status Update

Sparked
HL7 FHIR

Product Status: AU Core FHIR Implementation Guide

Product Definition

AU Core sets the minimum expectations on FHIR resources to support conformance and implementation in systems for core clinical and administrative information.

Product Phase

Development

Overall Product Status

Schedule	Risks	Issue
Green	Green	Green

Dependencies

Dependency	Due Date	Status
AU Base FHIR IG (4.x) Published HL7	Feb 2025	NA
AUCDI R1 Published	Jun 2024	NA

Milestone Status

Milestone	Due Date	Status
AU Core FHIR IG R1 Development phase complete	8/03/24	Complete
AU Core FHIR IG R1 Testing and Piloting of FHIR Standards phase complete	Aug 2024	NA
AU Core FHIR IG R1 Ballot STU phase complete	Oct 2024	NA
AU Core FHIR IG R1 Ballot Resolution phase complete	Dec 2024	NA
AU Core FHIR IG R1 Published	Feb 2025	NA
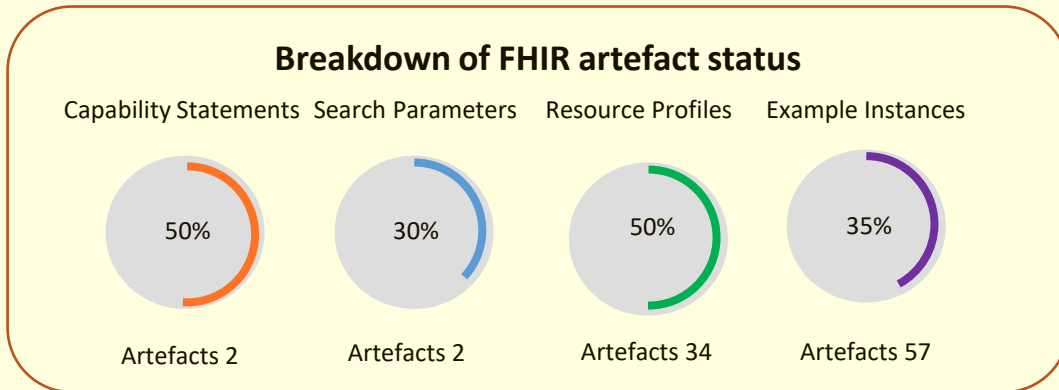
Deliverable Status

Deliverable	Due Date	Status
AU Core FHIR IG R1 Draft for Comment Ballot HL7	08/03/24	Complete
AU Core FHIR IG R1 Draft for Testing and Piloting of FHIR Standards	08/03/24	Complete
AU Core FHIR IG R1 Draft for Ballot HL7	Aug 2024	NA
AU Core FHIR IG R1 Published HL7	Feb 2025 TBC	NA

Breakdown of FHIR artefact status

Capability Statements	Search Parameters	Resource Profiles	Example Instances
50%	30%	50%	35%
Artefacts 2	Artefacts 2	Artefacts 34	Artefacts 57

NA: Not yet due to commence

Sparked
HL7 FHIR

Product Status: AU Core Data for Interoperability

Product Definition

Published data sets to be used as part of the AU Core FHIR standard for implementation across Australia spanning multiple use cases.

Dependencies

Dependency	Due Date	Status
NA		NA

Breakdown of artefact status

High Level Requirements	High Level Scope & Roadmap	AUCDI R1 Build Draft for Comment	AUCDI R1 Draft for Comment Published
100%	100%	100%	0%

Product Phase

Development

Overall Product Status

Schedule	Risks	Issue
Green	Green	Green

Milestones Status

| Milestone	Due Date	Status
High level requirements phase AUCDI complete	30/10/23	Complete
High level scope & roadmap phase AUCDI complete	30/10/23	Complete
AUCDI R1 Draft for Comment build phase complete	30/1/24	Complete
AUCDI R1 Draft for Comment phase close	8/3/24	Complete
AUCDI R1 Draft for Comment Publication phase complete	30/5/24	Complete
AUCDI R1 Published	Jun 2024	Green
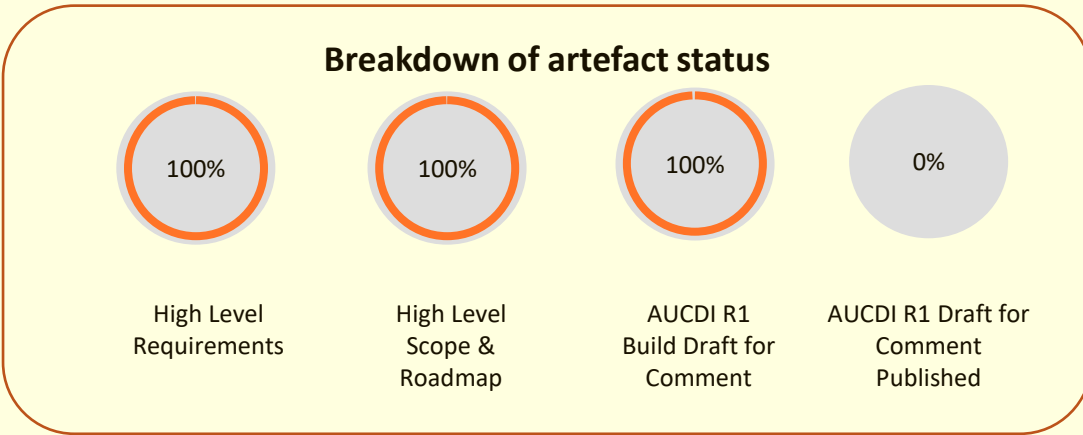
Deliverable Status

Deliverable	Due Date	Status
High Level Scope & Roadmap AUCDI R1	30/10/23	Complete
AUCDI R1 Draft for comment	6/2/24	Green
AUCDI R1 Published	Jun 2024	Green
AUCDI R2 Draft for comment	Jan 2025	NA
AUCDI R2 Published	Jun 2025	NA

NA: Not yet due to commence

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HL7 FHIR
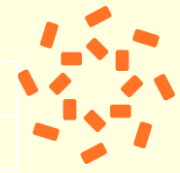
Product Status: AU eRequesting FHIR Implementation Guide

Product Definition

AU eRequesting sets the minimum expectations on FHIR resources to support conformance and implementation in systems for requesting.

Dependencies

Dependency	Due Date	Status
AUCDI R1 Published	Jun 2024	NA
AU eRequesting Data for Interoperability (AUeReqDI) R1	Sep 2024	NA

Breakdown of FHIR artefact status

0%	0%	0%	0%
Artifacts TBD	Artifacts TBD	Artifacts TBD	Artifacts TBD

https://build.fhir.org/ig/hl7au/draft-diagnostic-orders/branches/master/artifacts.html
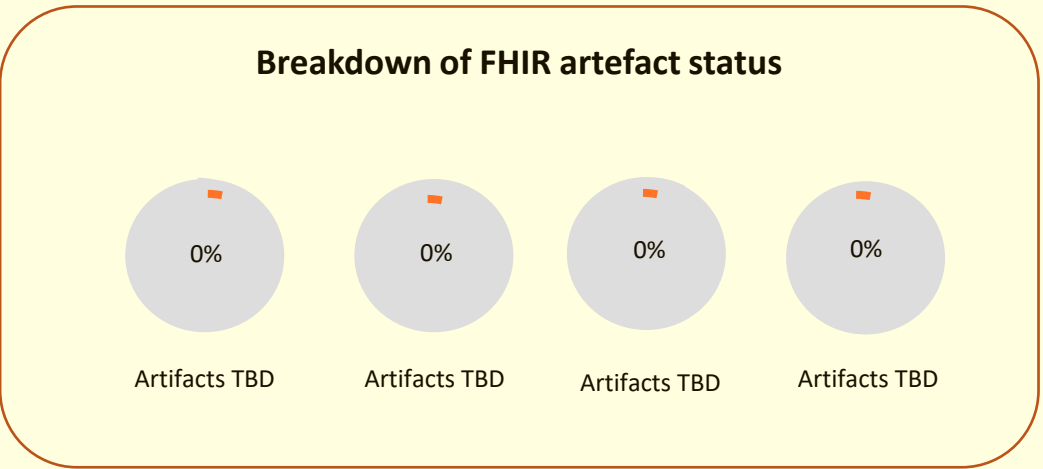
Product Phase

Development

Overall Product Status

Schedule	Risks	Issues
Green	Amber	Green

Milestone Status

Milestone	Due Date	Status
AU eRequesting FHIR IG R1 Development phase complete	Aug 2024	NA
AU eRequesting FHIR IG R1 Testing and Piloting of FHIR Standards phase complete	Jan 2025	NA
AU eRequesting FHIR IG R1 Ballot phase complete	Mar 2025	NA
AU eRequesting FHIR IG R1 Ballot Resolution phase complete	May 2025	NA
AU eRequesting FHIR IG R1 Published	Late Jun 2025	NA

Deliverable Status

Deliverable		Due Date	Status
AU eRequesting FHIR IG R1 Draft for Testing and Piloting of FHIR Standards		Aug 2024	NA
AU eRequesting FHIR IG R1 Draft for Ballot	HL7	Feb 2025	NA
AU eRequesting FHIR IG R1 Published	HL7	Late Jun 2025	NA

NA: Not yet due to commence

Sparked
HL7 FHIR

Product Status: AU e-Requesting Data for Interoperability

Product Definition

Published data sets to be used as part of the AU eRequesting FHIR standard to be used in eRequesting for implementation across Australia.

Dependencies

Dependency	Due Date	Status
AUCDI R1 Published	Jun 2024	NA

Breakdown of artefact status

100%	95%	90%	0%
High Level Requirements	High Level Scope & Roadmap	AUeReqDI R1 Build Draft for Comment	AUeReqDI R1 Draft for Comment Published

Product Phase

Development

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Milestones Status

Milestone	Due Date	Status
High level requirements phase AUeReqDI R1 complete	30/12/23	Complete
High level scope & roadmap phase AUeReqDI R1 complete	29/02/24	Complete
AUeReqDI R1 Draft for Comment build phase complete	15/5/24	Complete
AUeReqDI R1 Draft for Comment phase complete	Jul 2024	NA
Review AUeReqDI R1 phase complete	Aug 2024	NA
AUeReqDI R1 Published	Oct 2024	NA
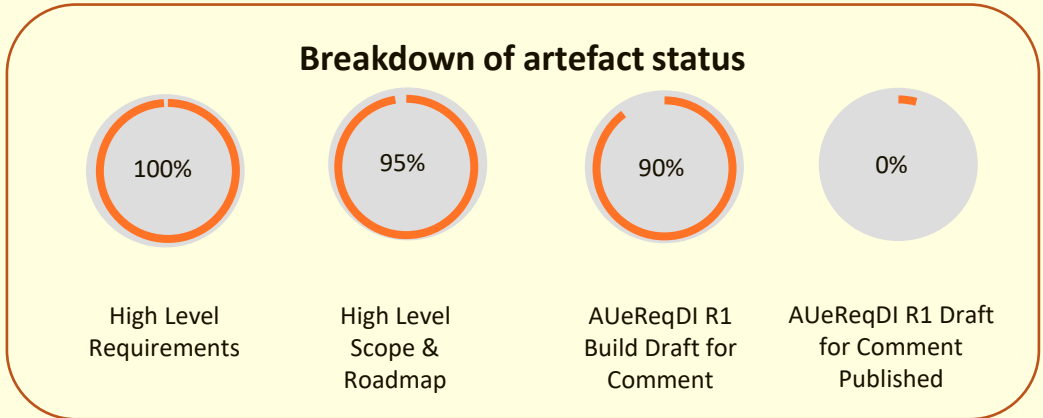
Deliverable Status

Deliverable	Due Date	Status
High level scope & roadmap AUeReqDI R1	Jan 2024	Complete
AUeReqDI R1 Draft for Comment	15/5/24	NA
AUeReqDI R1 Published	Oct 2024	NA

NA: Not yet due to commence
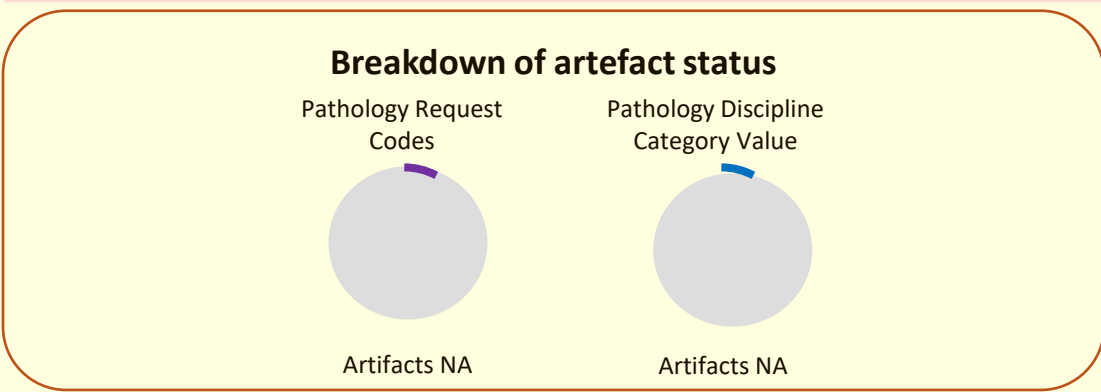
Product Status: Pathology Request ValueSet/s

Product Definition

Published SNOMED CT ValueSet/s to support the standardised, electronic requesting of Pathology tests guided by the professional peak body, Royal College of Pathologists of Australasia (RCPA) for implementing across Australia.

Dependencies

NA

Breakdown of artefact status

Pathology Request Codes

Pathology Discipline Category Value

Artifacts NA

Artifacts NA

Risk/Issues Mitigation Plan

NA

Product Phase

Development

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Milestone Status

Milestone	Due Date	Status
RCPA / CSIRO Product development procedure (Project Brief) complete	30/11/23	Complete
Pathology ValueSet/s Gap Analysis complete	15/12/23	Complete
Ways of working with RCPA complete	30/3/24	Complete

Deliverable Status

Deliverable	Due Date	Status
Release 1 (R1) - SNOMED CT ValueSet/s	20/11/23	Complete
R2 - SNOMED CT ValueSet/s	30/6/24	NA
R3 - SNOMED CT ValueSet/s	30/9/24	NA

NA: Not yet due to commence
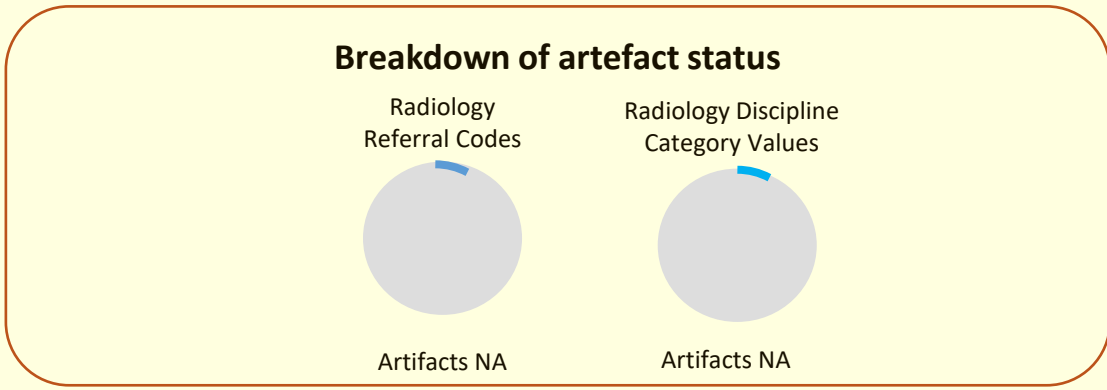
Product Status: Radiology Referral ValueSet/s

Product Definition

Published SNOMED CT ValueSet/s to support the standardised, electronic requesting of Radiology procedures guided by the professional peak body, Australia New Zealand College of Radiology (RANZCR) for implementing across Australia.

Dependencies

NA

Breakdown of artefact status

Radiology Referral Codes

Radiology Discipline Category Values

Artifacts NA

Artifacts NA

Risk/Issues Mitigation Plan

Product Phase

Inception

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Milestone Status

Milestone	Due Date	Status
RANZCR / CSIRO Product development procedures (Project Brief)	30/11/23	Complete
Draft Target Operating Model	15/12/23	Complete
Ways of working with RANZCR	30/3/24	Complete

Deliverable Status

Deliverable	Due Date	Status
Release 1 (R1) - SNOMED CT ValueSet/s candidate	30/3/24	Complete
R2 - SNOMED CT ValueSet/s candidate	30/7/24	NA
R3 - SNOMED CT ValueSet/s candidate	30/11/24	NA
R4 - SNOMED CT ValueSet/s candidate	30/3/25	NA
R5 – SNOMED CT ValueSet/s Final	30/6/25	NA

NA: Not yet due to commence

Sparked
HL7 FHIR

Product Status: AU Core Testing Service

Product Definition

Publicly available tools that test systems for their conformance to the AU Core Implementation Guide.
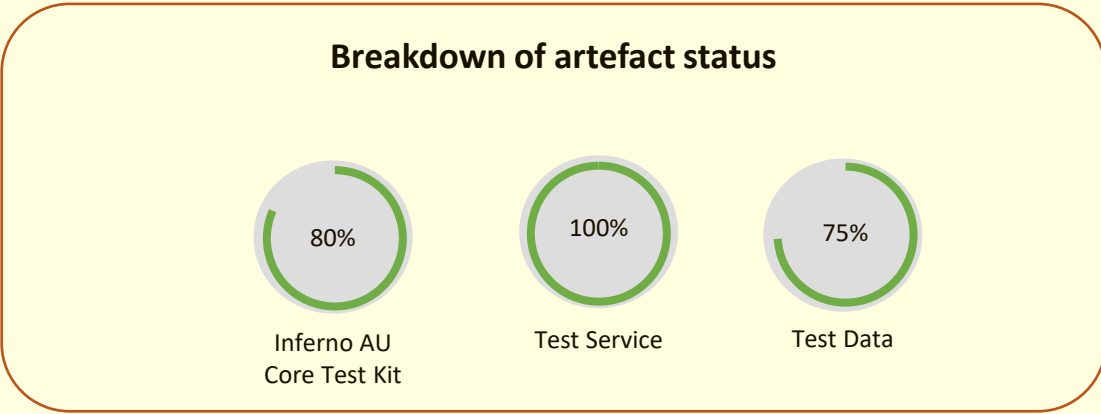
Product Phase

Pre-Inception

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Dependencies

Dependency	Due Date	Status
NA		NA

Breakdown of artefact status

Inferno AU Core Test Kit	Test Service	Test Data
80%	100%	75%

Milestone Status

Milestone	Due Date	Status
AU Core R1 Test Service Requirements	Feb 2024	Complete
AU Core R1 Gap Analysis Infrastructure	Feb 2024	Complete
AU Test R1 Service Architecture	Feb 2024	Complete
AU Core R1 Test Service complete	Feb 2025	NA

Deliverable Status

Deliverable	Due Date	Status
AU Core R1 Test Suite	30/3/24	Complete
AU Core R1 Data First Release	30/3/24	Complete

NA: Not yet due to commence

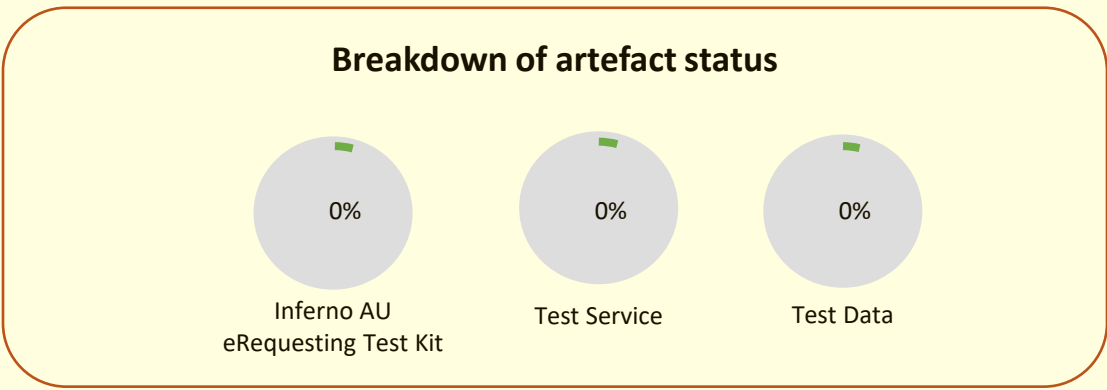# Product Status: AU eRequesting Testing Service

Product Definition

Publicly available tools that test systems for their conformance to the AU eRequesting Implementation Guide.

Product Phase

Pre-Inception

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Dependencies

Dependency	Due Date	Status
NA		NA

Breakdown of artefact status

Inferno AU eRequesting Test Kit	Test Service	Test Data
0%	0%	0%

Milestone Status

Milestone	Due Date	Status
AU eRequesting R1 Test Service Requirements	30/5/24	Green
AU eRequesting R1 Gap Analysis Infrastructure	30/6/24	NA
AU eRequesting Test R1 Service Architecture	31/10/24	NA
AU eRequesting R1 Test Service complete	Late June 2025	NA

Deliverable Status

Deliverable	Due Date	Status
AU eRequesting R1 Test Suite	30/8/24	NA
AU eRequesting R1 Data First Release	30/8/24	NA

NA: Not yet due to commence

Sparked
HL7 FHIR

Product Status: AU Core Reference Implementation

Product Definition

Reference implementations assist implementers to adopt the AU Core FHIR IG through:
- Provide a starting point for developers that allows them to decide how to represent AU Core FHIR objects and behaviour within their environment.
- Provide means for practical testing at Connectathons and through testing and piloting before the FHIR IGs are finalised.

Breakdown of artefact status

70%	75%	50%	TBD
FHIR server (Smile CDR)	Synthetic Test Data	Configuration Documentation	AU Core Reference Implementation
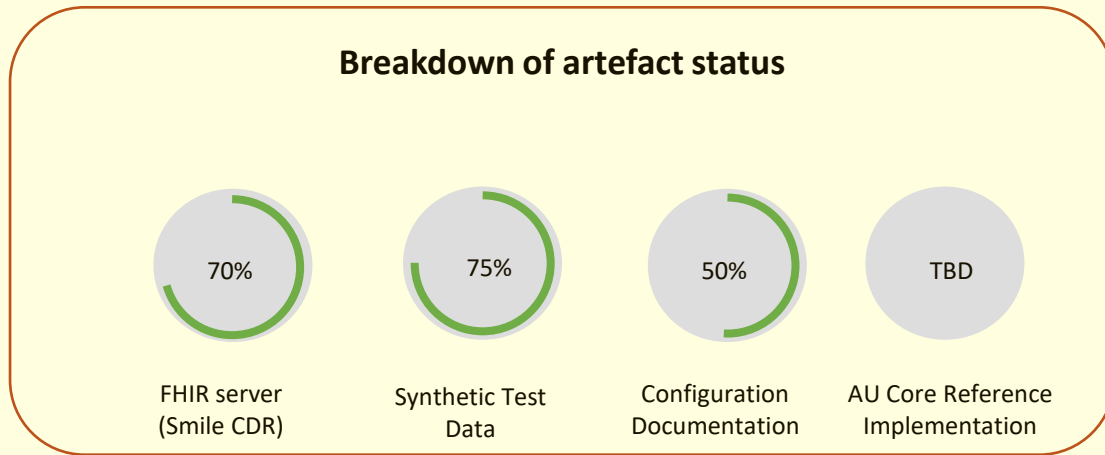
External Reference Implementations

Sparked community reference services available:
- Smile Digital Health

Product Phase

Pre-Inception

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Milestone Status

Milestone	Due Date	Status
AU Core R1 Reference Implementation Requirements	May 2024	Green
AU Core R1 Gap Analysis Infrastructure	May 2024	Green
AU Core R1 Reference Implementation Architecture	Feb 2024	Complete
AU Core R1 Reference Implementation complete	Jan 2025	NA

Deliverable Status

Deliverable	Due Date	Status
External AU Core R1 Reference Server	Mar 2024	Complete

NA: Not yet due to commence

Product Status: AU eRequesting Reference Implementation

Product Definition

Reference implementations assist implementers to adopt the AU eRequesting FHIR IG through:
- Provide a starting point for developers that allows them to decide how to represent AU Requesting FHIR objects and behaviour within their environment.
- Provide means for practical testing at Connectathons and through testing and piloting before the FHIR IGs are finalised.

Breakdown of artefact status

0%	0%	0%	TBD
FHIR server (Smile CDR)	Synthetic Test Data	Configuration Documentation	AU eRequesting Reference Implementation
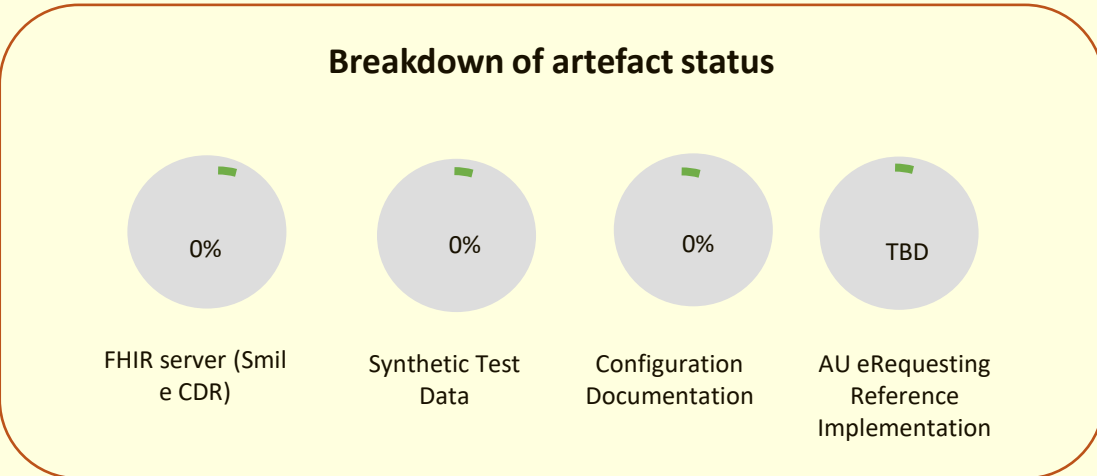
External Reference Implementations

Sparked community reference services available:
- Smile Digital Health

Product Phase

Pre-Inception

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Milestone Status

Milestone	Due Date	Status
AU eRequesting R1 Reference Implementation Requirements	Oct 2024	NA
AU eRequesting R1 Gap Analysis Infrastructure	Nov 2024	NA
AU eRequesting R1 Reference Implementation Architecture	Dec 2024	NA
AU eRequesting R1 Reference Implementation complete	TBC	NA

Deliverable Status

Deliverable	Due Date	Status
External AU eRequesting R1 Reference Server (same as the AU Core R1)	Mar 2024	Green

NA: Not yet due to commence

Product Status: Program Evaluation

Product Definition

An internal evaluation of the program effectiveness as well as enablers and barriers to implementation. Publications containing a guide that provides detailed information about the program components and supporting processes, approach, changes made, and lessons learnt.

Breakdown of artefact status

80%	30%	0%
Data Collection	Enhancement Plan	Final Report
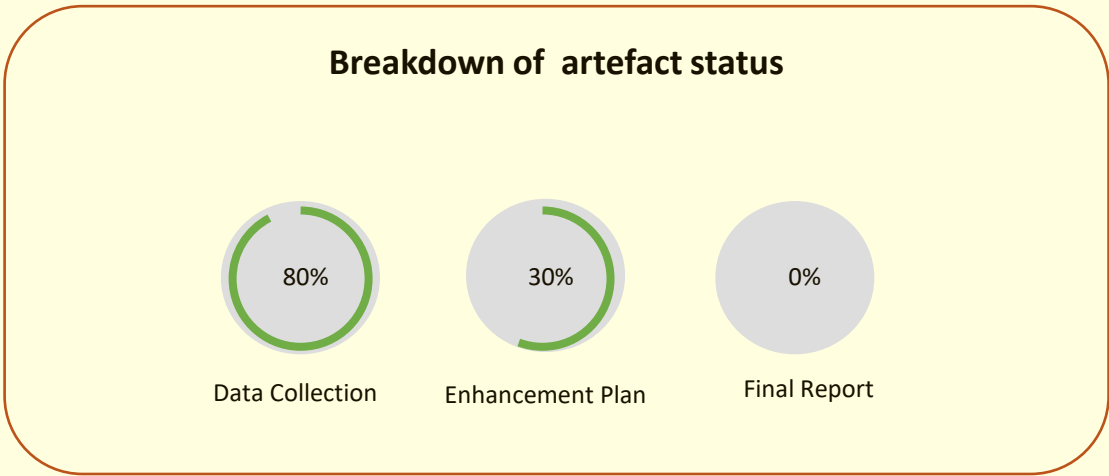
Updates

CSIRO Evaluation implementation recommendations workshop scheduled
Continued DOHAC/Voronoi alignment with CSIRO on progressing a unified approach to evaluation

Product Phase

Formation

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Milestone Status

Milestone	Due Date	Status
Baseline Data Collection	Jan 2024	Green
Presentation of Plan and Prelim Results	May 2024	Green
Post Improvement Analysis	Nov 2024	NA

Deliverable Status

Deliverable	Due Date	Status
Data Analysis and Synthesis	Apr 2024	Green
Enhancement Plan	May 2024	Green
Final Report	Dec 2025	NA

NA: Not yet due to commence
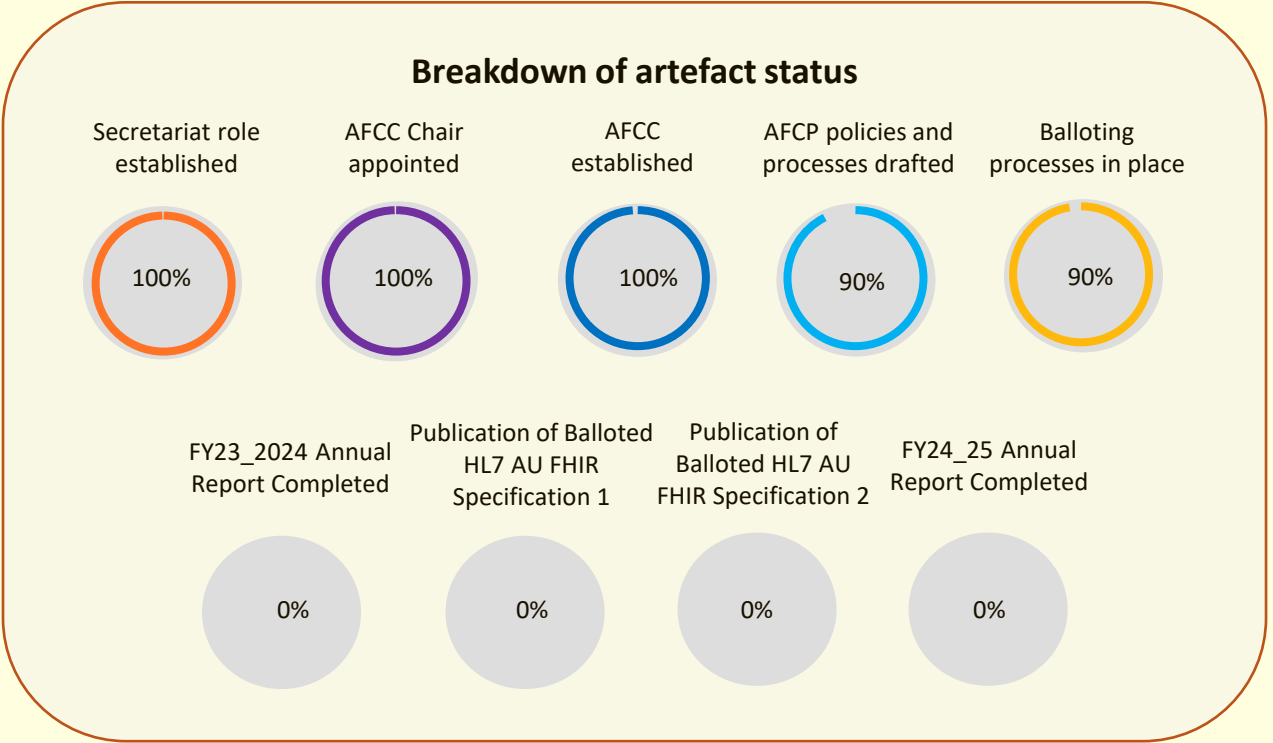
Product Status: Australian FHIR Management Framework (AFMF)

Product Definition

The AFMF will enable Australia to adopt FHIR standards and build a strong FHIR community to achieve interoperability. It will consist of an Australian FHIR Community Process governed by an Australian FHIR Coordination Committee.

Overall Product Status

Schedule	Risks	Issues
Green	Green	Green

Breakdown of artefact status

Secretariat role established	AFCC Chair appointed	AFCC established	AFCP policies and processes drafted	Balloting processes in place
100%	100%	100%	90%	90%

FY23_2024 Annual Report Completed	Publication of Balloted HL7 AU FHIR Specification 1	Publication of Balloted HL7 AU FHIR Specification 2	FY24_25 Annual Report Completed
0%	0%	0%	0%

Milestone Status

Milestone	Due Date	Status
Published AFMF	10/08/23	Complete
AFCC established	31/12/23	Complete
Publication of 2 x Balloted HL7 AU FHIR specifications	May 2025	NA

NA: Not yet due to commence

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HL7 FHIR