

# AARC Architecture

### AARC Architecture WG Area

This is the wiki space of the Working Group in the Architecture Area of the AARC Community and [AEGIS](#). Participation in the working group is open to individuals who are interested in following and contributing to the evolution of the AARC Blueprint Architecture and its supporting Guideline documents. Discussions about the ongoing work of the WG take place in the [appint mailing list](#). The groups holds a weekly call every other Wednesday at 14:00 CE(ST)

- [See latest version of AARC BPA](#)
- [Join the appint mailing list](#)
- [View shared folder with guideline documents](#)

## High-level Objectives

- focus on the **integration aspects** of the AAARC Blueprint Architecture
- provide recommendations and guidelines for implementers, service providers and infrastructure operators on implementing **scalable and interoperable AAls across e-infrastructures and scientific communities**
- work in close collaboration with [AEGIS](#)
- work on the **evolution of the blueprint architecture** , with a focus on identity provider / service provider (IdP/SP) proxies, scalable authorisation solutions for multi-service provider environments and other solutions for integrating with R&E federations and cross-sector AAls

## Video Call Calendar

Team Calendars

## Active Draft Document

### Guidelines

ID	Title	Summary	Links	Status
AAR C-G079	AARC Community-based Access Entity Category	<i>This document provides guidelines for using the Community-based Access Entity Category to support the release of attributes to Service Providers that have a proven need to receive a set of community-managed information about their users in order to effectively provide their service to the users.</i>	<a href="#">Google doc</a>	FINAL CALL
AAR C-G058	Establishing trust between OAuth 2.0 Authorization Servers		<a href="#">Google doc</a>	IN PROGRESS

## Upcoming / Inactive Drafts

### Guidelines

ID	Title	Summary	Links	Status
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AAR C-G059	Guidelines for expressing affiliation information	<i>The goal of this document is to define how affiliation information should be expressed when transported across AARC BPA-compliant AAls. Two different types of affiliation have been identified, namely Affiliation within the Home Organisation, such as a university, research institution or private company; and Affiliation within the Community, such as cross-organisation collaborations. Both affiliation types should be communicated to the service providers that rely on affiliation information in order to control access to resources. Will supersede AARC-G025</i>	Google doc	ON HOLD  Waiting for feedback from voPerson schema (see voPerson issue#40)
AAR C-G056	AARC profile for expressing community identity attributes	<i>This document defines a profile for expressing the attributes of a researcher's digital identity. The profile contains a common list of attributes and definitions based on existing standards and best practises in research &amp; education. The attributes include identifiers, profile information, and community attributes such as group membership and role information.</i>	Google doc	ON HOLD
AAR C-G060	A framework for IdP hinting		Google doc	ON HOLD
AAR C-G064	A specification for hinting which IdPs to show in discovery		Google doc	ON HOLD
AAR C-G053	Specification for expressing user authentication via REFEDS R&S and /or Sirtfi compliant authentication providers		Google doc	CONCEPT
AAR C-G054	Specification for expressing authenticating authorities		Google doc	CONCEPT
AAR C-I028 (was AAR C2-JRA 1.2 B)	Best practices for integrating OpenID Connect / OAuth2 based end services	<i>Capture what OIDC-based services need to understand, which schemes to follow in order to benefit from federated identities, that currently are exclusively in the SAML world.</i>  <i>This will probably include pointers to documents that specify mappings between SAML and OIDC expression of attributes, entitlements or claims.</i>  <i>OIDC/OAuth2 client registration is covered in AARC-G032</i>	Wiki doc	ON HOLD
AAR C-G038 AAR C2-JRA 1.4C	Best practises for scalable account (de)provisioning of VO members	<i>Best practises for scalable account provisioning, management, and deprovisioning, particularly from the perspective of the standard protocols used to manage accounts (such as LDAP, VOOT, SCIM, etc.)</i>	doc	ON HOLD
AAR C-G032 (was AAR C2-JRA 1.3 B)	Guidelines for registering OIDC Relying Parties in AAls for international research collaboration	<i>This document describes different ways to accomplish an OpenID Connect client registration, specifically providing guidance for International Research Collaborations that need to implement one of these systems.</i>	Wiki doc	ON HOLD
AAR C-G036 (was AAR C2-JRA 1.4 A)	Roles, responsibilities and security considerations for VOs	DROPPED. Most of the content is now in DJRA1.3; it was proposed to gather the remaining information into a document describing how roles and the requirements on roles be managed (e.g. "there must always be a security contact"); however, we have decided that we will not have enough time to do justice to the topic.  Virtual Organisations (VOs) have several roles and responsibilities; some are identified as community responsibilities, and others arise from relations to infrastructures (e.g. security contact, technical contact). Can we minimise the number of places that need this information, in order to improve maintainability and scalability?	Wiki doc	ABANDONED
AAR C-G037 (was AAR C2-JRA 1.4 B)	Guidelines for combining group membership and role information in multi-AA environments	<i>When combining information from several AAs, one needs to consider the different semantics, different levels of assurance, and different purposes of the AAs and their attributes.</i>	Wiki Doc	ON HOLD

AAR C-G030	Requirements and Implementations for Authentication Freshness	<i>This document describes mechanisms for forcing a user to perform an additional login (reauthentication) in order to ensure that the user who is accessing a protected resource is the same person who initially authenticated at the start of the session. Forced reauthentication can therefore provide additional protection for sensitive resources.</i>	<a href="#">Wiki doc</a>	ABANDONED
(AA RC2 - JRA 1.2 D)	(was: <i>Guidelines for step-up authentication via forced reauthentication</i> )			
AAR C2-JRA 1.1B	Guidelines for the discovery of authoritative attribute providers across different operational domains			ABANDONED
AAR C2-JRA 1.1C	Guidelines for handling user registration and user consent for releasing attributes across different operational domains			CONCEPT
AAR C2-JRA 1.1D	Guidelines for federated access to non-web services across different operational domains			CONCEPT
AAR C2-JRA 1.3C	Guidelines for AAI interoperability with non-R&E Identity Providers in support of international research collaboration			ABANDONED
AAR C2-JRA 1.3D	Guidelines for AAI interoperability with eIDAS Identity Providers in support of international research collaboration			CONCEPT
AAR C2-JRA 1.3E	AAI tools & technologies enabling OIDC for international research collaboration			CONCEPT
AAR C2-JRA 1.4D	Guidelines for implementing, operating and using VO platforms	<p>it was suggested this incorporate anything from JRA1.4A not included in DJRA1.3 plus guidance on evaluating and selecting a proxy platform. However, as we have too many documents already and not enough time to do them justice, JRA1 have decided to drop this document. However, EOSC Hub is currently (as of March 2019) putting together an evaluation form.</p> <p>It was suggested at the F2F in April 2019 that this document be resurrected?</p>		ABANDONED