



APGridPMA Update

Eric Yen

46th EUGridPMA Meeting

20 May 2019

General Status



- **Chair and Vice Chair (2018.01-2019.12): Reelected at 20th APGridPMA F2F Meeting in Oct. 2017**
 - **Chair: Eric Yen (ASGCCA, Taiwan)**
 - **Vice Chair: Eisaku Sakane (HPCI CA, Japan)**
 - **Next Chair election will take place in the APGridPMA Fall 2019 meeting (July 2019, APAN48 @Malaysia)**
- **Routine Gathering**
 - **Spring: Together with ISGC in Taiwan**
 - **Fall: Collocated with e-Science or Networking events**
 - **Virtual meeting will be arranged upon request or whenever there is any issue in-between F2F meetings**
- **Self Auditing Report: Once a year for each member CA**
- **Regional Catch-All CA: ASGCCA, now supporting users through local RAs in PH, TH, ID, IN, MN, LK**

| CA | ccTLD | Self Audit | #valid Cert | IPv6 | Remarks |
|--------------------|-----------|--------------------|---------------------|----------|---|
| <i>AIST CA</i> | <i>JP</i> | | | | <i>Withdrawn from Nov. 2013</i> |
| <i>APAC CA</i> | <i>AU</i> | | | | <i>Services ended in Dec 31, 2012</i> |
| <i>ASGC CA</i> | <i>TW</i> | <i>Mar. 2018</i> | <i>155, 272, 14</i> | <i>Y</i> | <i>Regional Catch-All CA; x.509 based SSO in AS</i> |
| <i>AusCert</i> | <i>AU</i> | | | <i>Y</i> | <i>Through QuoVadis and provide CS for NZ, FJ, PG</i> |
| <i>CNIC CA</i> | <i>CN</i> | <i>Aug. 2015</i> | <i>21</i> | | |
| <i>SDG CA</i> | <i>CN</i> | <i>Aug. 2015</i> | <i>2</i> | | |
| <i>HKU CA</i> | <i>CN</i> | <i>April 2019</i> | <i>3, 26, 1</i> | <i>Y</i> | |
| <i>HPCI CA</i> | <i>JP</i> | <i>April 2019</i> | <i>227, 273</i> | <i>Y</i> | <i>MICS; OCSP enabled; SSO</i> |
| <i>IGCA</i> | <i>IN</i> | <i>Mar. 2018</i> | <i>134, 23</i> | | |
| <i>IHEP CA</i> | <i>CN</i> | <i>April 2019</i> | <i>67, 41, 16</i> | <i>Y</i> | |
| <i>KEK CA</i> | <i>JP</i> | <i>April 2019</i> | <i>167, 145</i> | <i>Y</i> | <i>Support robot Cert and OCSP is Ready</i> |
| <i>KISTI CA</i> | <i>KR</i> | <i>Mar. 2018</i> | <i>33, 28, 3</i> | <i>Y</i> | <i>Renewed and back to service from June 2017</i> |
| <i>MYIFAM</i> | <i>MY</i> | <i>April 2019</i> | <i>5</i> | | <i>National Fed IdM and Fed CA are ongoing; Eduroam, Shib</i> |
| <i>NCHC CA</i> | <i>TW</i> | | | | <i>Withdrawn from Feb. 2015</i> |
| <i>NECTEC CA</i> | <i>TH</i> | <i>March, 2014</i> | <i>4, 13</i> | | <i>Decommissioned from Jan 2017</i> |
| <i>NAREGI CA</i> | <i>JP</i> | | | | <i>NAREGI CA 2.4, ended EEC issuance from Dec. 2014</i> |
| <i>PRAGMA-UCSD</i> | <i>US</i> | | | | <i>Withdrawn from July 2014</i> |

From Previous Meetings (April 2019)



- **Federated Identity Management Activities**
 - eduGAIN members: AU, IN, JP, KR, MY, SG, NZ, (CN)
- **CA Operation**
 - Remote Identity Vetting in action
 - Changes of CP/CPS will be discussed in next APGridPMA meeting in July 2019
 - NAREGI-CA 2018 Autumn release, version 3.2.2, has been released on 21 Sep. 2018 (version 3.2.1 was released on 25 Dec. 2017)
 - MICS CA Audit Checklist: NII (HPCI CA, JP) draft is reviewed based on IGTF LoA and PKI technology (update will be reported in July)
 - Version 3.2.3 will be released soon and fixes EC private key handling in PKCS#8
 - CA Manager changed of KISTI CA, KEK CA, iHEP, CNIC CA
- **IPv6 CRL Distribution Point: Keep tracking**
 - IPv4 Only: CNIC, IGCA, MyIFM, SDG
- **Reorganising APGridPMA Website (in progress)**
 - One focus is to Improve the monitoring and warning of CA service availability
- **CP/CPS changes: HKGridCA**
 - HKU GridCA2 had been included in release 1.92 (May 2018) and suspended HKU Grid CA will be withdrawn from release 1.99 (May 2019)

Research & Application Support



- **Flexible authentication and cross-infrastructure AAI**
 - Integration with local SSO (SAML, X.509, OpenID, Username/password, etc) and move to SAML-based authN
 - APAN IAM: from EduRoam to eduGAIN
- **Attribute and Metadata Sharing/Aggregation**
 - HPCI CA
- **Use Case Collection and Study**
 - Will be included in the future APGridPMA meeting
 - User Community Engagement
 - Experiences learned from large-scale international HEP communities: LHC, Belle, AMS, KAGRA, etc.
 - Extending to regional communities such as life science, astronomy, disaster mitigation, ecological/biodiversity monitoring, e-Culture, etc.
- **Most APGridPMA members are interested in OIDC federation and AARC**

Future Meetings



- **24th APGridPMA (25 July 2019): collocated with APAN48, 22-26 July 2019, Putrajaya, Malaysia**
- **25th APGridPMA: 8-13 March 2020, Academia Sinica, Taiwan**
 - **HEPiX Spring 2020: 2-6 March, Academia Sinica, Taiwan**