NETWORK DEVICE iTC UPDATE

CCUF FALL WORKSHOP

OCTOBER 26, 2023

KRISTY KNOWLES, ND ITC CHAIR
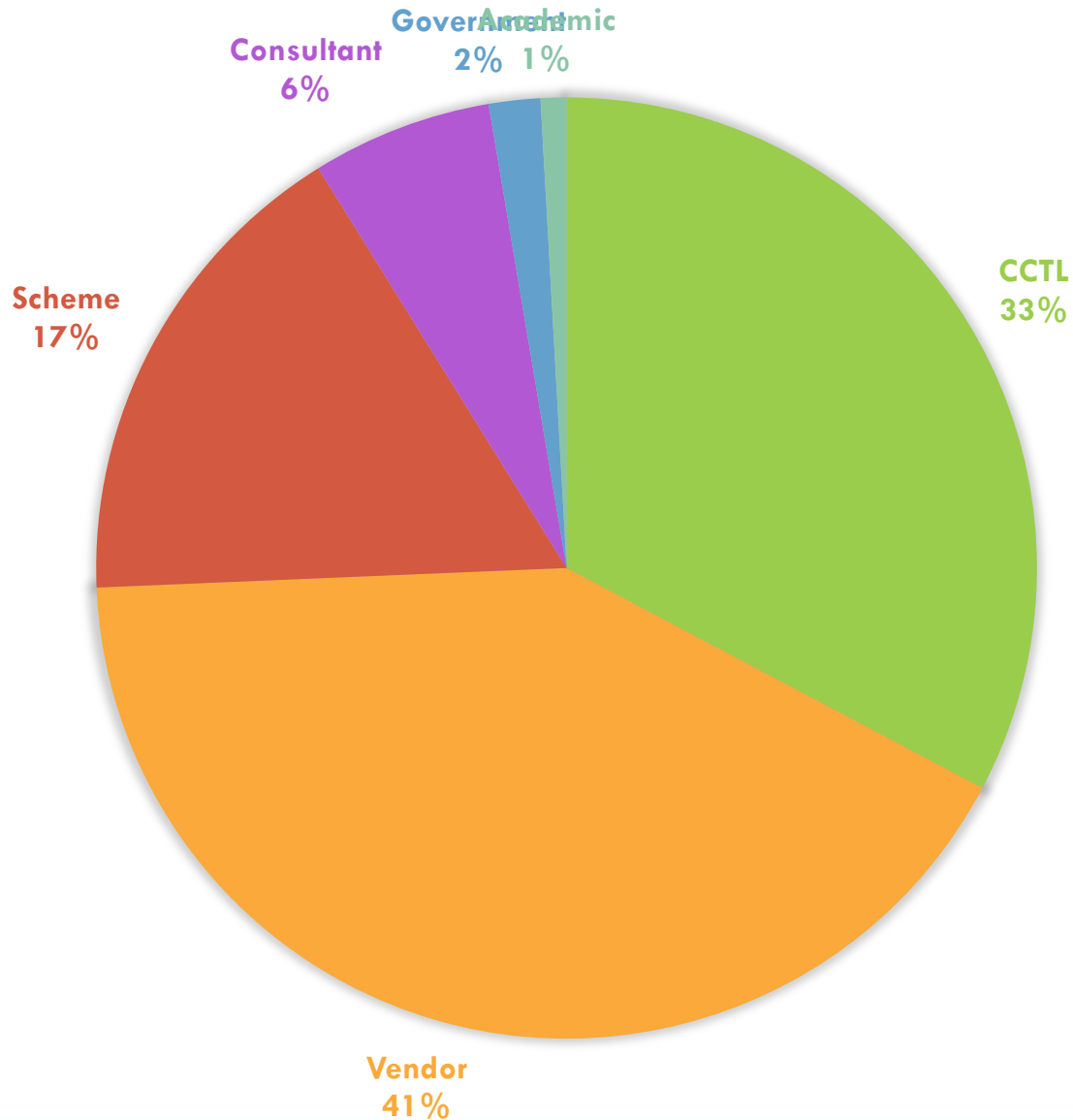
ND ITC MEMBERS

Vendors / Schemes / CCTLs / Government / Consultants / Academia

Pie chart with the following segments:
- CCTL 33%
- Vendor 41%
- Scheme 17%
- Consultant 6%
- Government 2%
- Academic 1%

113 members

- Organizations represented: 62
- Groups represented:
  - 47 members from vendors
  - 37 members from labs
  - 19 members from schemes
  - 7 members that are consultants
  - 2 members from governments
 - 1 member from academia

CCDB liaison - US

Chair – Kristy Knowles (Cisco)

Vice Chair – Michael Vogel (atsec)

Sub-Groups

- Editorial – Mark Jackson (Cisco), Michael Vogel (atsec) and Kristy Knowles (Cisco)
- Network iTC Interpretation Team (NIT) - leads, Michael Vogel (atsec)
- Maintenance iTC Network Team (MINT) - lead, Ken Dill (Cisco)
- TLS Subgroup - lead, Kristy Knowles (Cisco)
- X.509 Subgroup - lead, Kenji Yoshino (Lightship)
- Core Protections Group - lead, Kevin Micciche (HPE)

NDCPP BY THE NUMBERS

NDcPP
38%

Non-NDcPP
62%
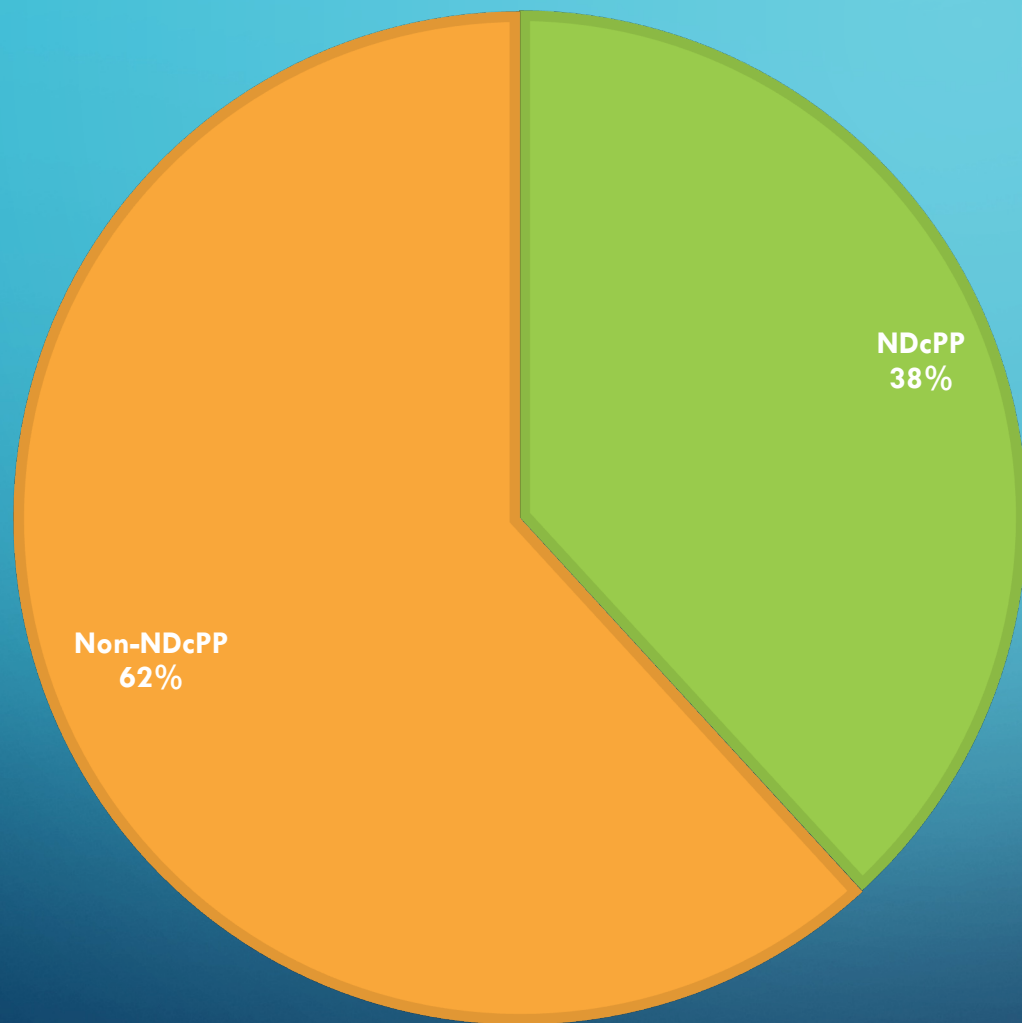
- 89 of 233 NIAP PCL Products Listed are against a version of the NDcPP.

Statistics as of 23 OCT 2023

NDCPP TIMELINE

ND iTC

Network Device international
Technical Community was
established

NDcPPv2.0e

ND iTC developed Network
Device collaberative Protection
Profile 2.0e was published

NDcPPv2.2e

ND iTC developed Network
Device collaberative Protection
Profile 2.2e was published

| May 2014 | Feb 2015 | Mar 2018 | Sep 2018 | Mar 2020 | Nov / Dec 2023 |

NDcPPv1.0

ND iTC developed Network
Device collaberative Protection
Profile 1.0 was published

NDcPPv2.1

ND iTC developed Network
Device collaberative Protection
Profile 2.1 was published

NDcPPv3.0e

ND iTC developed Network
Device collaberative Protection
Profile 3.0e target date

WHERE WE ARE

NDcPPv2.2e

- Actively being claimed by numerous vendors
- Published 23 MAR 2020
- Endorsed and Posted by NIAP 27 MAR 2020
- Certified on first use 30 DEC 2020
- Endorsed by Canadian Scheme 21 OCT 2021

NDcPPv3.0

- Published 06 APR 2023
- NAIP comments received JUL 2023
- NDcPPv3.0e draft expected November 2023

WHERE WE ARE

Current allowed PP Modules

- <u>Allowed with list version 2.2r1 - 10 August 2023</u>
  - PP-Module for Stateful Traffic Filter Firewalls, Ver. 1.4 +Errata 20200625 (25 June 2020)
  - PP-Module for Voice/Video over IP (VVoIP) Endpoints, Ver. 1.0 (28 October 2020)
  - PP-Module for Wireless Intrusion Detection/Prevention Systems (WIDS/WIPS), Ver. 1.0 (30 September 2020)
  - PP-Module for Enterprise Session Controller (ESC), Ver. 1.0 (19 November 2020)
  - PP-Module for Intrusion Prevention Systems (IPS), Ver. 1.0 (11 May 2021)
  - PP-Module for Virtual Private Network (VPN) Gateways, Ver. 1.2 (31 March 2022)
  - PP-Module for Wireless Local Area Network (WLAN) Access System, Ver. 1.0 (31 March 2022)
  - PP-Module for Session Border Controller (SBC), Ver. 1.0 (05 December 2022)
  - PP-Module for SSL/TLS Inspection Proxy, Ver. 1.1 (17 November 2022)
  - PP-Module for Authentication Servers, Ver. 1.0 (25 January 2023)
  - PP-Module for MACsec Ethernet Encryption, Ver. 1.0 (16 December 2022)
  - PP-Module for Virtual Private Network (VPN) Gateways, Ver. 1.3 (10 August 2023)

WHERE WE ARE GOING

NDcPPv3.0e major changes:

- Added TLS / DTLS v1.3
- Removed TLS v1.1 / DTLS 1.0
- CCMB comment resolution from their review of the Supporting Document v2.2
- Added ALC_FLR as an optional additional assurance component to better align with EUCC
- SSH SFRs removed, NIAP's SSH Functional Package now required for SSH
- Updated references to standards (RFCs and NIST SPs)
- Removed support for published hash as a means of providing software integrity
- Address formatting issues and comments
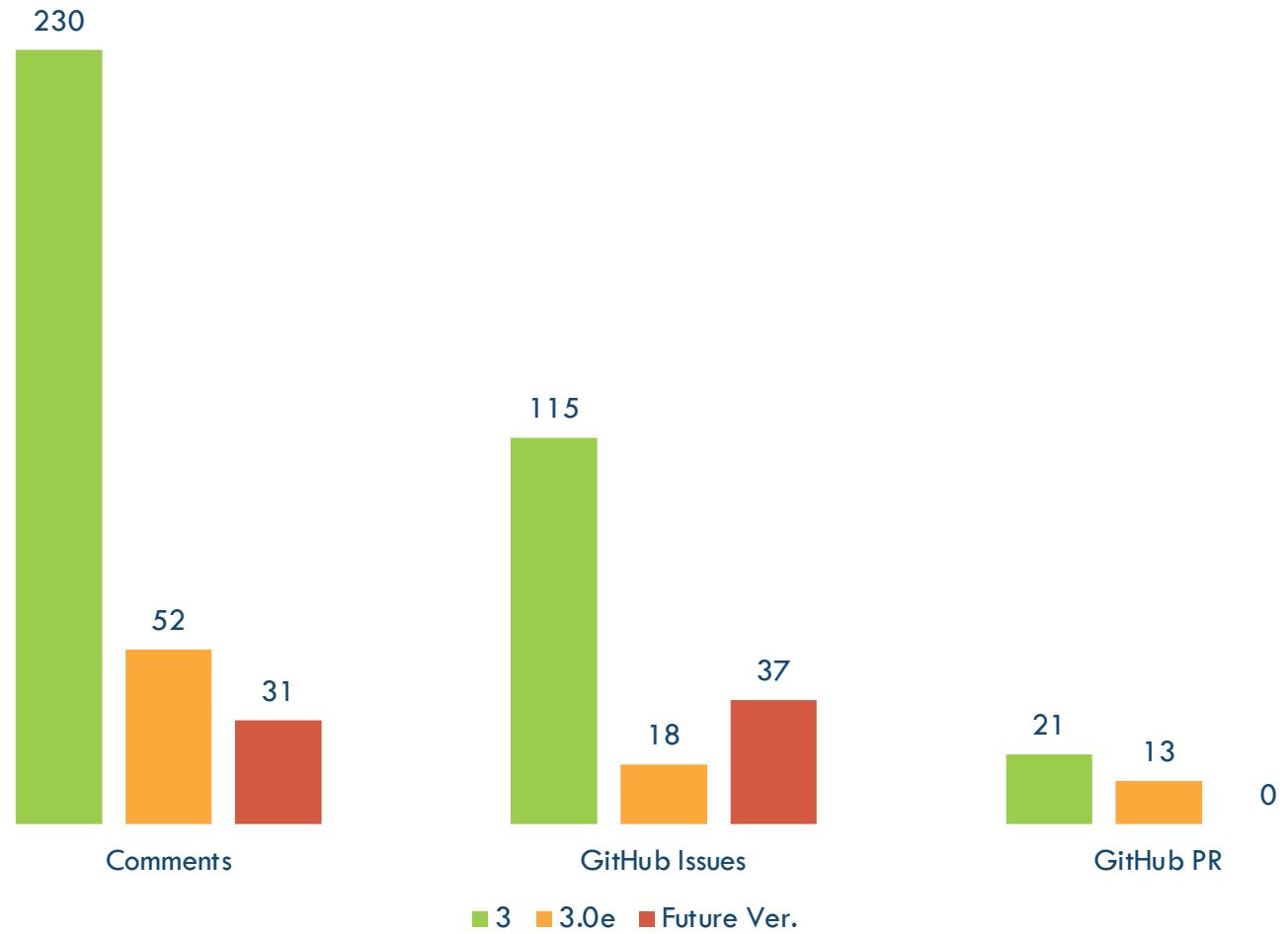- PP Consistency Review

WHERE WE ARE GOING

NDcPP Roadmap

- Publish NDcPPv3.0e (Nov. 2023)
- Update FW module (ver. 1.5)
- CNSA Suite 2.0
- CC:2022

https://ccusersforum.onlyoffice.com/Products/Files/DocEditor.aspx?fileid=7002019

JOIN US

- GitHub link - https://github.com/ND-iTC
- 2024 meeting schedule - Jan 18, Apr 18, Jul 18, Oct 17 (3rd Thursday of the month)
- Email kriknowl@cisco.com to be added as a contributor.

THANK YOU!