



CMT Laboratory Accreditation under the Standards Council of Canada

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Objective of Presentation

- Explain Canada's initiative in CMT lab accreditation standard
- Describe the development of the standard
- Discuss the impact of the new accreditation

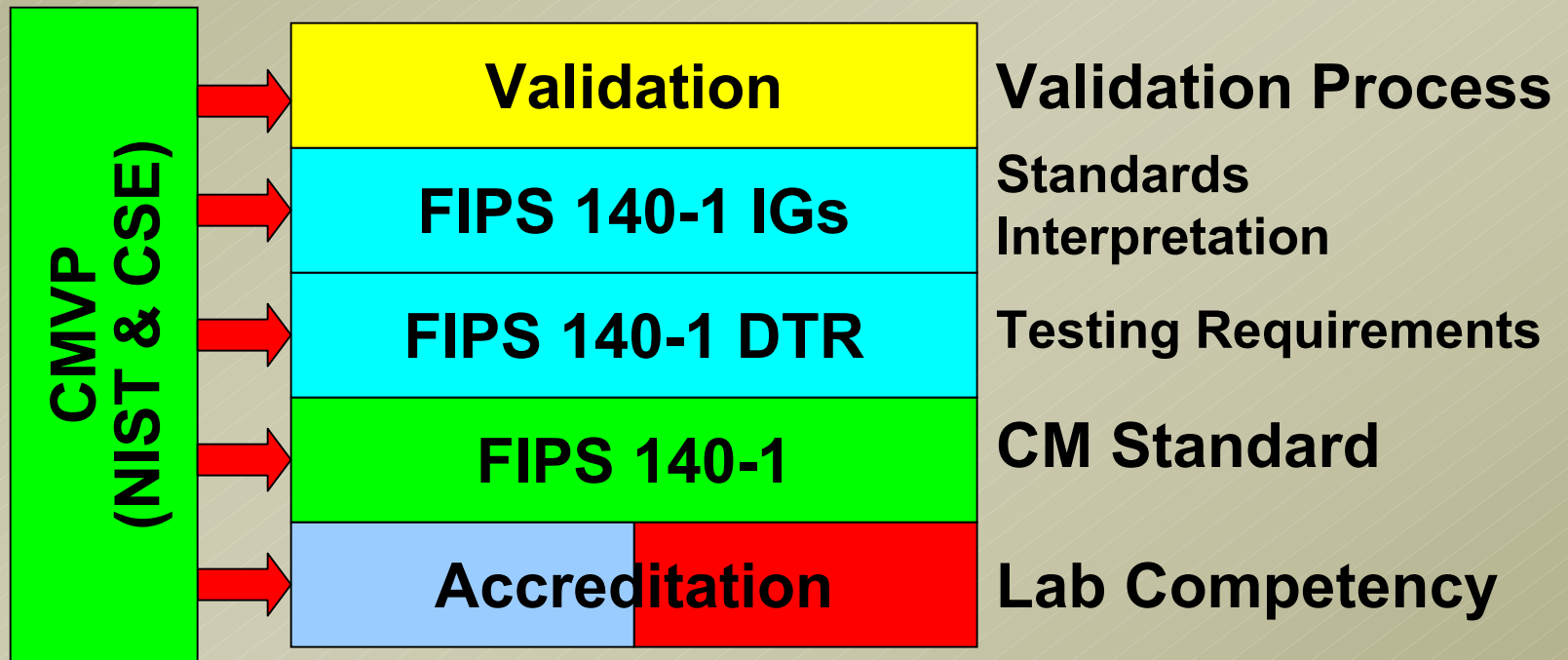


Motivation for a Canadian Standard

- Canadian CMT labs accredited under NVLAP
- Canadian CC labs accredited under SCC
- Double accreditation cost for labs that do both
- Solution: Accreditation under SCC for cryptomodule testing
- New standard must be approved/ recognized by CMVP (i.e. NIST and CSE)



Requirement Stack

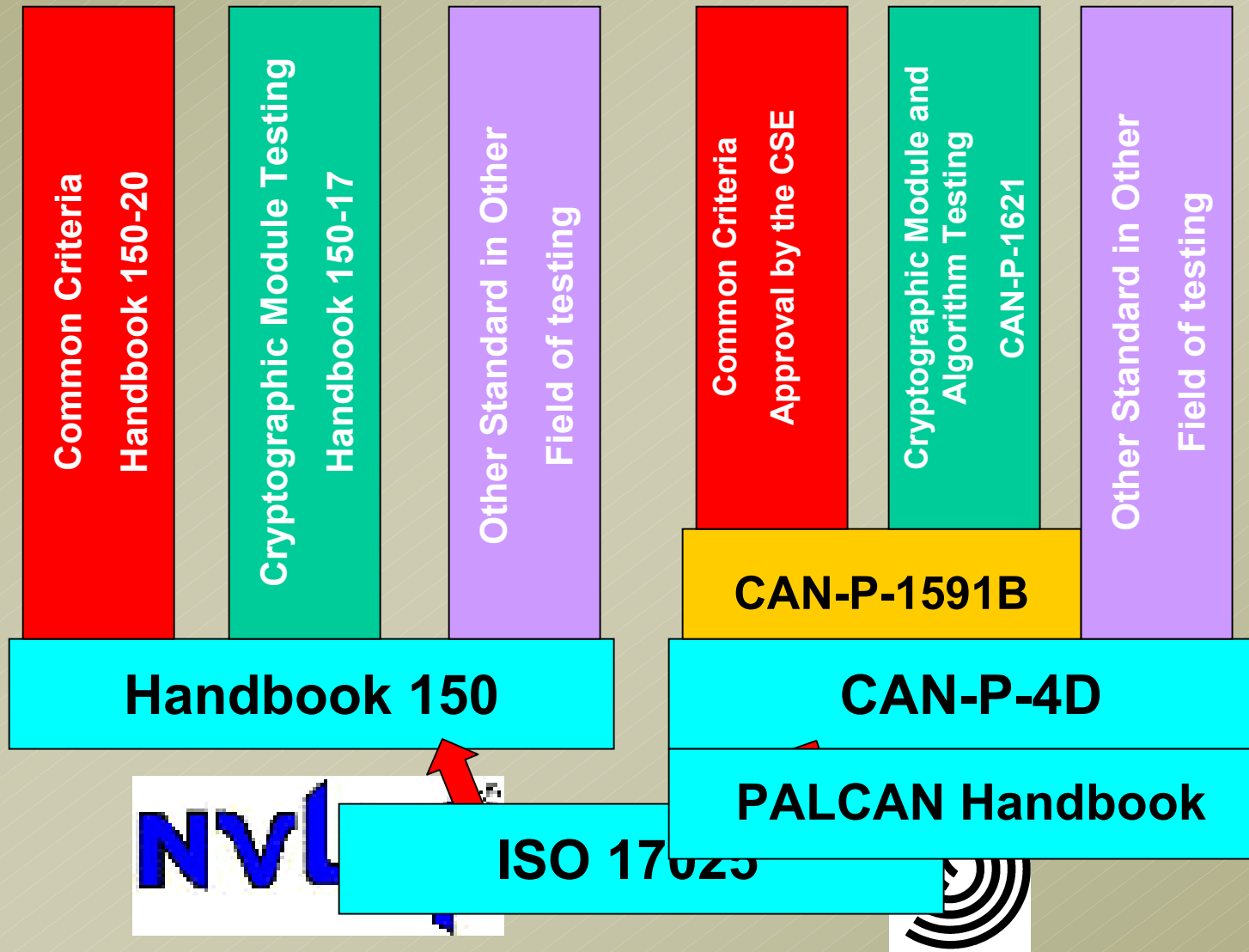


Accreditation Content

- Organization requirements
- Quality System requirements
- Personnel requirements
- Accommodation and environment
- Test equipment and reference materials
- Lab internal processes
- Technical competency of personnel

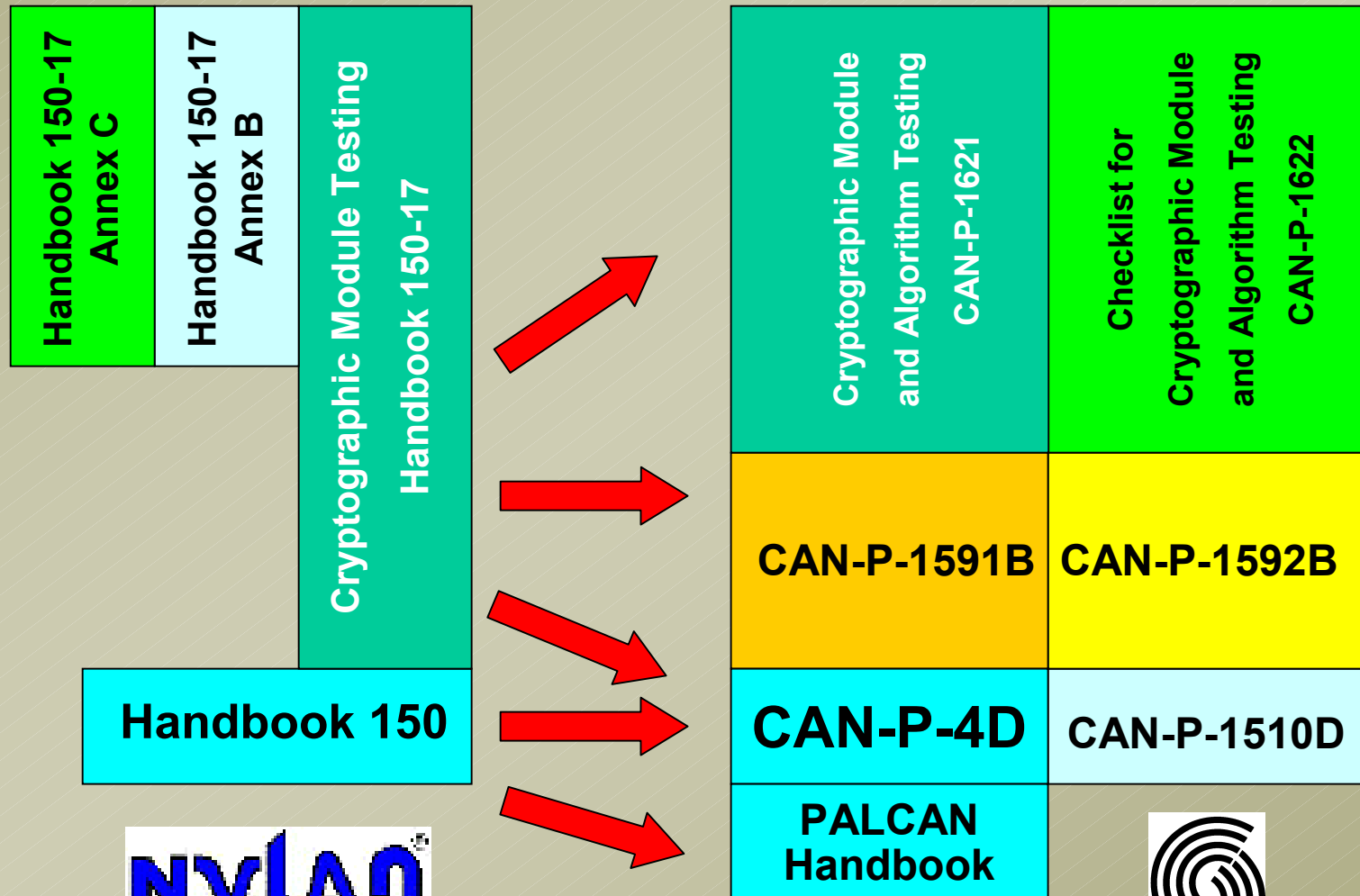


The standards structure



Development of CAN-P-1621

Cryptographic Module and Algorithm Testing



CMT Lab Accreditation Process and Audit



- Lead Assessor: CMVP team (NIST, CSE, NVLAP)
- Standards: Handbook 150, Handbook 150-17
- Proficiency test; On-site audit; Artifact test



- Lead Assessor: SCC with CMVP team (NIST, CSE, NVLAP)
- Standards: CAN-P-4D, CAN-P-1591B, CAN-P-1621
- Proficiency test; On-site audit; Artifact test

Accreditation Options for Canadian Labs



- Possible for small lab
- For labs that only plan to perform CMT



- Mostly appropriate for large lab
- For labs that perform or plan to perform CC evaluations

Standard Approval Status

Completed

- CAN-P-1621 developed by CSE
- NIST review
- edition by SCC
- CAN-P-1621 translation
- ITSET WG members identified

Upcoming

- Checklist being developed by SCC
- Approval by ITSET WG
- Final Approval by SCC

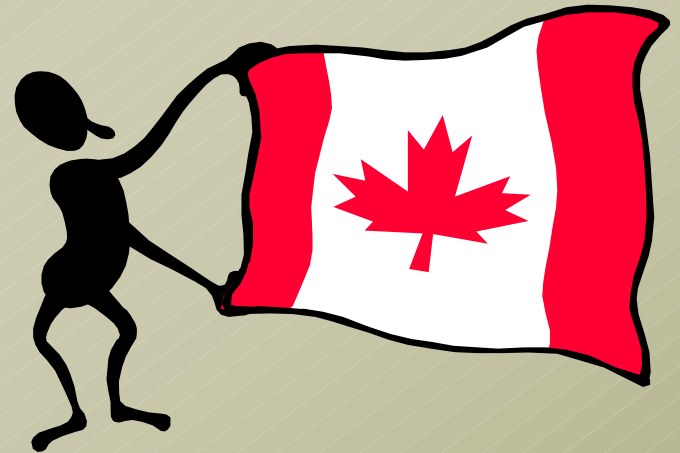
**Expected approval
by SCC:**

June 2002



NO Impact on Product Validation

- Accreditation only affect lab competency requirements
- NVLAP equivalent requirements and standards
- Standards approved by NIST and CSE
- Audits performed by NIST and CSE





Questions PPP

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