Singapore Common Criteria evaluation & certification Scheme Update

Presented to the 9th ICCC
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23 – 25, September 2008

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Agenda

1) **Objectives of the Singapore Scheme**

2) **Strategies in Promoting Common Criteria**

3) **IDA Certification Body for the Singapore Scheme**

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1 Objectives of the Singapore Scheme

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Strategic Intent

- **The National Infocomm Security Committee**
- **The 1st Infocomm Security Masterplan (Feb 05)**
  - **Develop IT security capabilities and measures for business continuity readiness**
    - **Participant of Common Criteria Recognition Arrangement (started Mar 05)**
    - **Singapore Common Criteria evaluation & certification Scheme**
      - **Certification Body function under the Info-communications Development Authority of Singapore (started May 07)**
      - **Certificate Authorising status pursuit**
      - **Cost-effective and convenient means to obtain Common Criteria certification**

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Strategic Intent

> The 2nd Infocomm Security Masterplan (Apr 08)

- **Enhance IT security efforts and strengthen position as a secure and trusted infocomm hub**
- **Initiatives**
  - **Infocomm security competencies**
    - Association of Information Security Professionals
    - National Infocomm Scholarship for Infocomm Security
    - Cyber Security Awareness Alliance
  - **Resilience of National Infocomm Infrastructure and Services**
    - Cyber security exercises
    - Sector-specific infocomm security programmes
  - **International Collaboration**
    - Exchange of best practices

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Role of the Singapore Scheme

- **Enhancing infocomm security competencies**
  - **Common method**
    - Security objectives, environment and requirements
  - **Correctness and sufficiency of countermeasures**
    - Product Development
    - Site certification
  - **Common Criteria training and support**
    - Role of Common Criteria
- **Hardening national infocomm infrastructure and services**
  - **Cyber threats countered better with products**
- **Increasing international collaboration**
  - **Common Criteria Recognition Arrangement activities for exchange of best practices**

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2 Strategies in Promoting Common Criteria

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Plan to Promote Common Criteria to the Public Sector

- **Light-touch two-prong approach**
  - **Common Criteria awareness programme for IT product buyers in the public sector**
  - **Preference for CC-certified products in Tender / Request for Proposal process**

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3 IDA Certification Body for the Singapore Scheme

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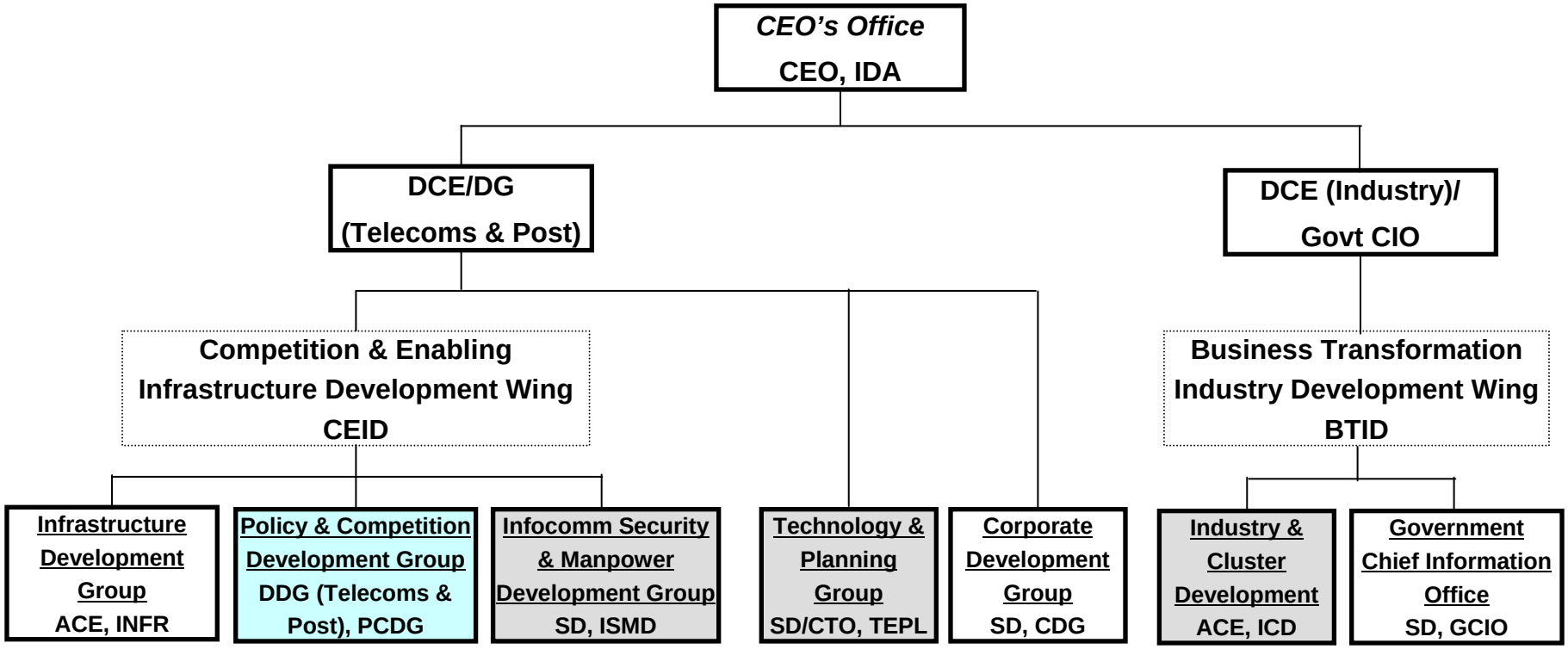
IDA Corporate Organisation Chart



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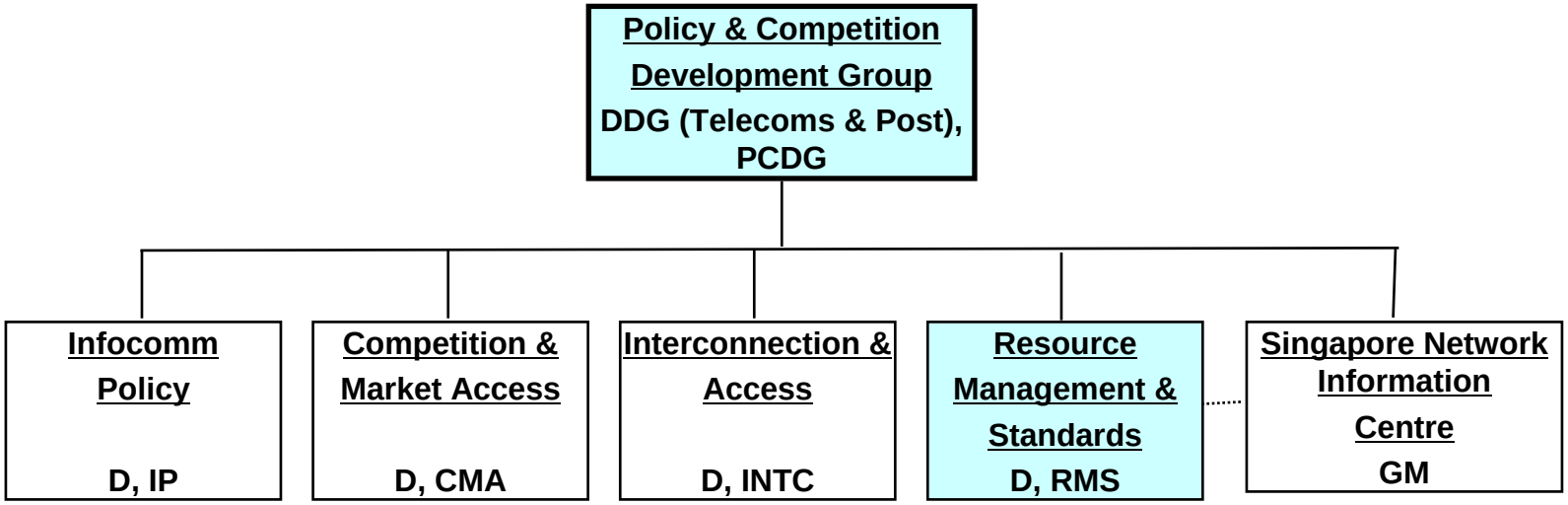
IDA Policy & Competition Development Group Organisation Chart



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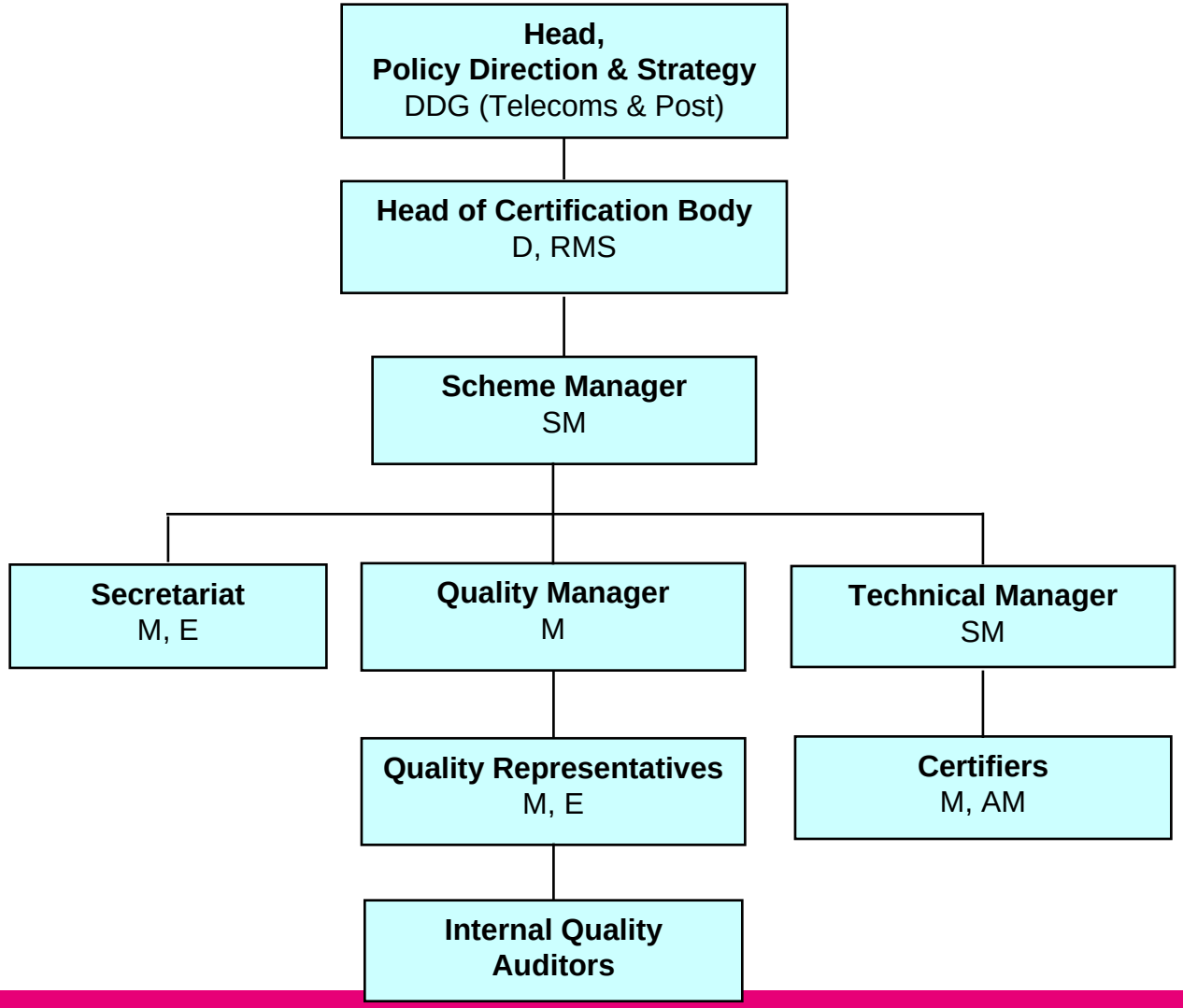
Structure of the Certification Body



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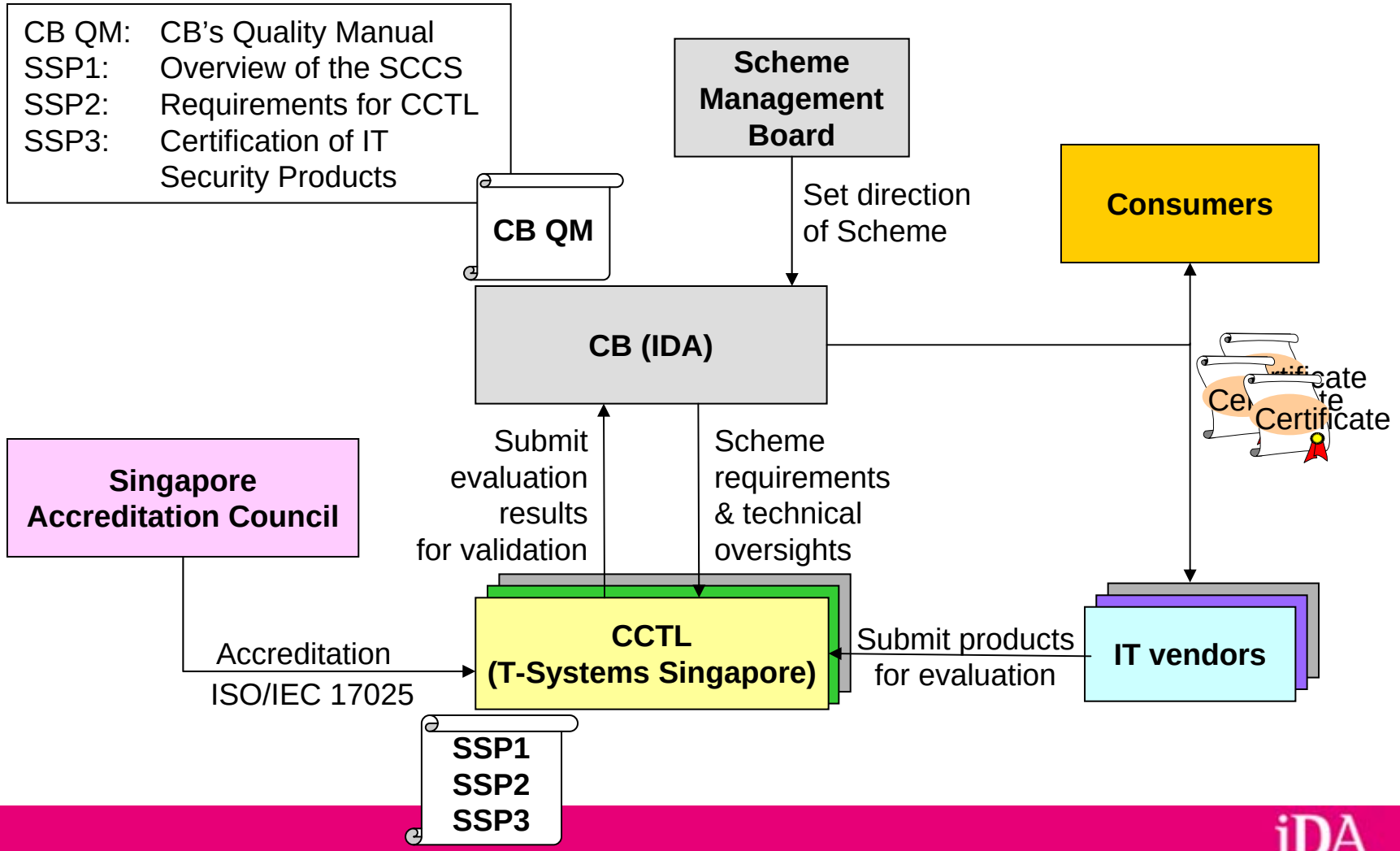
Operation of the Singapore Scheme



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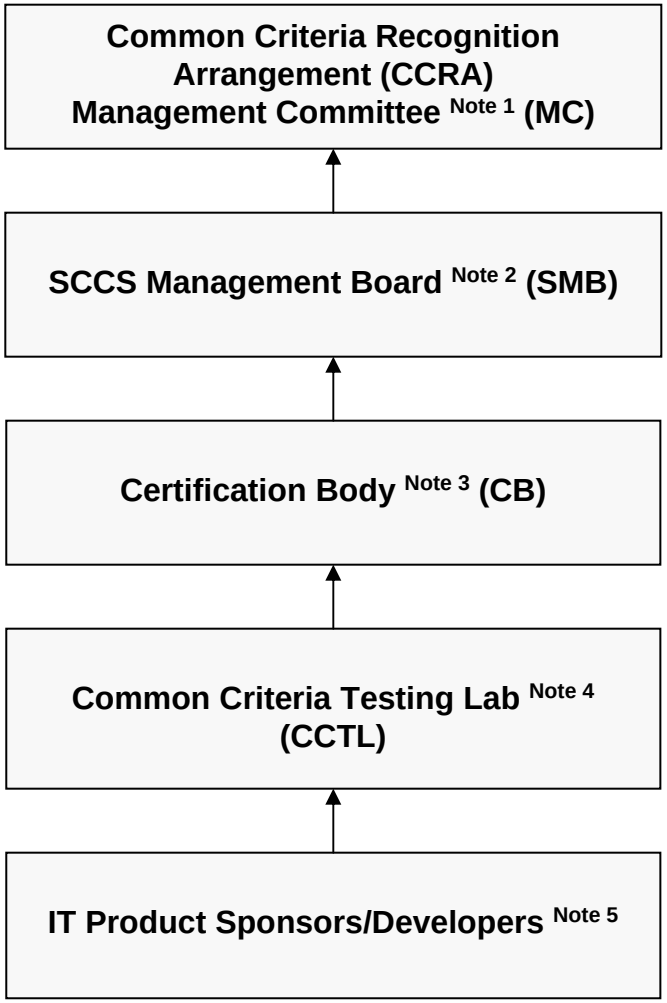
Governance Structure of the Singapore Scheme



Note 1: The MC represented by Certificate Issuing countries, oversees the CCRA internationally.
Note 2: SMB comprises IDA (ISMD/ISTD, PCDG/RMS & TEPL), SPRING Singapore, DSO National Laboratories, Singapore Infocomm Technology Federation Security Chapter, and Security & Privacy Standards Technical Committee of the Information Technology Standards Committee. IDA (ISMD) chairs the SMB.
Note 3: CB role is performed by IDA (RMS).
Note 4: CCTL is approved by CB (IDA).
Note 5: Sponsors pay for the evaluation and certification while developers are responsible for the design and implementation of the IT product.

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Singapore Accreditation Council

- **Since 1997, the Singapore Accreditation Council has signed numerous multi-lateral Mutual Recognition Arrangements:**
  - **Asia Pacific Laboratory Accreditation Cooperation for Testing, Calibration and Inspection**
  - **European Accreditation Cooperation for Testing and Calibration**
  - **International Accreditation Cooperation for Testing and Calibration**
  - **International Accreditation Forum for Quality Management System**
  - **Pacific Accreditation Cooperation for Quality Management System**

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Thank You

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