

OCP Taiwan C&I Status

- OCP C&I Project
- OCPT Progress to date
- Taiwan and ITRI
- C&I Certification Lab
- What is next

OCP C&I Project

The OCP Compliance & Interoperability project (C&I) will establish a framework that enables a transparent approach for qualifying solutions to become OCP branded. It will allow providers to leverage a common set of tools and processes to deliver solutions that meet OCP defined guidelines and expectations and consumers the assurance that OCP branded solutions meet those expectations. In addition it positions OCP C&I as a base certification layer that can be leveraged by communities & technologies beyond OCP.

OCP C&I Major Activities

- **Physical Certification**
 - Our responsibilities are to develop tools and requirements for hardware configuration compliance, certify, and ready
- **Out of Band Certification**
- **Documentation, Standards & Best Practices**
 - This project is responsible for developing and publishing standards that enable consistency across platforms.
- **Software Framework & Tools Architecture**
- **C&I Lab Enablement**
- **OCP Training**
- **C&I Pre-certification AVL Repository**
 - This project is responsible for creating a repository of all known working configurations for all OCP platforms, regardless of their certification status.

OCPT Progress to Date



- Discussion with OCP Chairman, Frank Frankovsky, on setting up Certification Labs through non-profit organizations
- ITRI joined C&I Project
- Regular C&I conference calls on Saturdays at 2am
- Remote participation with C&I Project at OCP Boston Summit, May 16th
- OCP Taiwan launched with Telco and ODM's participating on May 23rd.

C&I Discussions with

- Eric Wells (Project lead, FMR), Thao Nguyen (Physical certification, FB), Paul Rad (Lab Enablement, Rackspace)

Industrial Technology Research Institute (ITRI)

(a not-for-profit R&D Center since 1973)



Focus Centers

- ▶ Display Technology Center
- ▶ Service System Technology Center
- ▶ Cloud Computing Center for Mobile Application

Core Laboratories

- ▶ Electronics and Optoelectronics Research Laboratories
- ▶ Information and Communications Research Laboratories
- ▶ Mechanical and Systems Research Laboratories
- ▶ Material and Chemical Research Laboratories
- ▶ Green Energy & Environment Research Labs
- ▶ Biomedical Technology and Device Research Labs

Linkage Centers

- ▶ Creativity Lab
- ▶ NanoTechnology Research Center
- ▶ Industrial Economics & Knowledge Center
- ▶ Center for Measurement Standards

Missions

- Advanced R&D
- IP Business
- Industrial Services

Manpower: 6,000 staff

PhD: 20%

Master: 55%

Bachelor: 25%

Patents: 10,000+

Spin-offs: 170+

Why Taiwan, Why ITRI

Taiwan

- Home to most global ICT ODM vendors
- Ability to rapidly roll-out new solutions and configurations
- Shorter feedback loop
- Access to skill set appropriate for C&I needs

ITRI

- Not-for-Profit organization
- Full technical capabilities
- Existing physical infrastructure
- Proximity to key ICT vendors
- Ability to share C&I know-how as called for by OCP

ITRI's Certification Lab Objectives

- Focus on certifying new products/solutions
- Avoid duplication of vendor capabilities
- Transparent processes for both consumers and providers
- Collaborate with other (OCP) center of excellence to support regional and technical requirements
- Contribute C&I know-how back into OCP to create a feedback loop for continuous improvement

ITRI General Requirements for C&I Laboratory

- Operation
 - Lab Regulations
 - Pricing
 - Test SOP
 - Testing Human Resources
- Test Flow/Exit Gates (OCP Ready, OCP Certified, Iteration)
 - Test Plans/Methods
 - Acceptance Level
- Technology
 - Test Tool
 1. Functional Test (Server Level)
 2. Integration Test (Rack Level)
 3. Pass/Fail Criteria (EVT/DVT)
 4. Test Tool Creation (Testing Console)
 - Test Report

ITRI Laboratory Capability Requirements

General requirements for the competence of testing and calibration laboratories

- Facilities and Environmental Criteria
 - Ensure the environmental attributes do not impact to test result
- Test and Adjustment Method
 - Selection of Test Method
 - Methods of Development
 - Data Control
- Laboratory Equipment Management
 - Authority
 - Adjustment
 - Maintenance
- Laboratory Staff Management
 - Qualification/Training
 - Supervision
 - Responsibility
- Customer Service
 - Validation for Customers
 - Communication
 - Complaint Handling
- Testing Report
 - Certificate Content
 - Certificate Format

What is Next?

- Create certification standard operating procedure
 - Based on OCP C&I Boston Summit discussions
 - How to certify the Certification Lab
- Finalize operational details
 - Hardware and space requirements
 - Costs/Fees
- Feedback from OCP stakeholders
 - C&I Project
 - Consumers
 - Vendors
 - Partners such as OCPJ

Thank You

Q&A

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