



# Certification Project Update

## Tokyo, 2014



# What is Certification/C&I

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.

Join us at: <http://www.opencompute.org/projects/compliance-and-interoperability/>



# Processes

- Processes
  - Email list
  - Wiki
  - Conference calls
    - Frequency: Twice a Month
    - Date-time: Tue 4pm California time
  - Task forces
- Engagement
- Current Activities



# Engagement

- Process
- Engagement
  - Users/Consumers: e.g. Facebook, Rackspace, Microsoft, RiotGames
  - Solutions Providers: e.g. Hyve, QCT, AMAX, CTC
  - Vendors: e.g. Quanta, Wiwynn
  - Labs: UTSA, ITRI, UNH
  - Larger OCP Communities: e.g. Storage, Server, Open Rack
- Current Activities



# Current Activities

- Process
- Engagement
- Current activities
  - OCP Intel v3.0 Server (Leopard) certification
  - Knox Storage certification
  - Component certification task force
  - Re-certification task force



# OCP Certification Centers

- ITRI, Hsinchu, Taiwan
- UTSA, Texas, US



# ITRI OCP Certification Center 2013



March, 2013  
Initial conversation



May, 2013  
OCP Taiwan Started



August, 2013  
OCP Hardware at ITRI



October, 2013  
OCP Center Setup and  
Testing

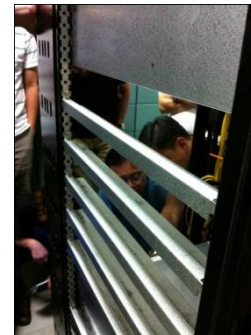
April, 2013  
OCP Invites ITRI



May, 2013  
OCP Tokyo Workshop



August, 2013  
OCP Training



Dec 27, 2013  
OCP Center Operational

Oct 1<sup>st</sup>, 2013  
OCP C&I Workshop





# ITRI OCP Certification Center 2014

Dec 27th, 2013  
Cert Center  
Operational

Q1, 2014  
Server Cert v1.0 GA  
•Uploaded to Github  
•Available for download



Q2, 2014  
OCP IC Seat

Q2, 2014  
ITRI OCP Website  
Automation

Jan, 2014  
OCP Summit: announcing  
certified machines



Q2/Q3, 2014  
Server v2.0 and  
Storage Cert v1.0

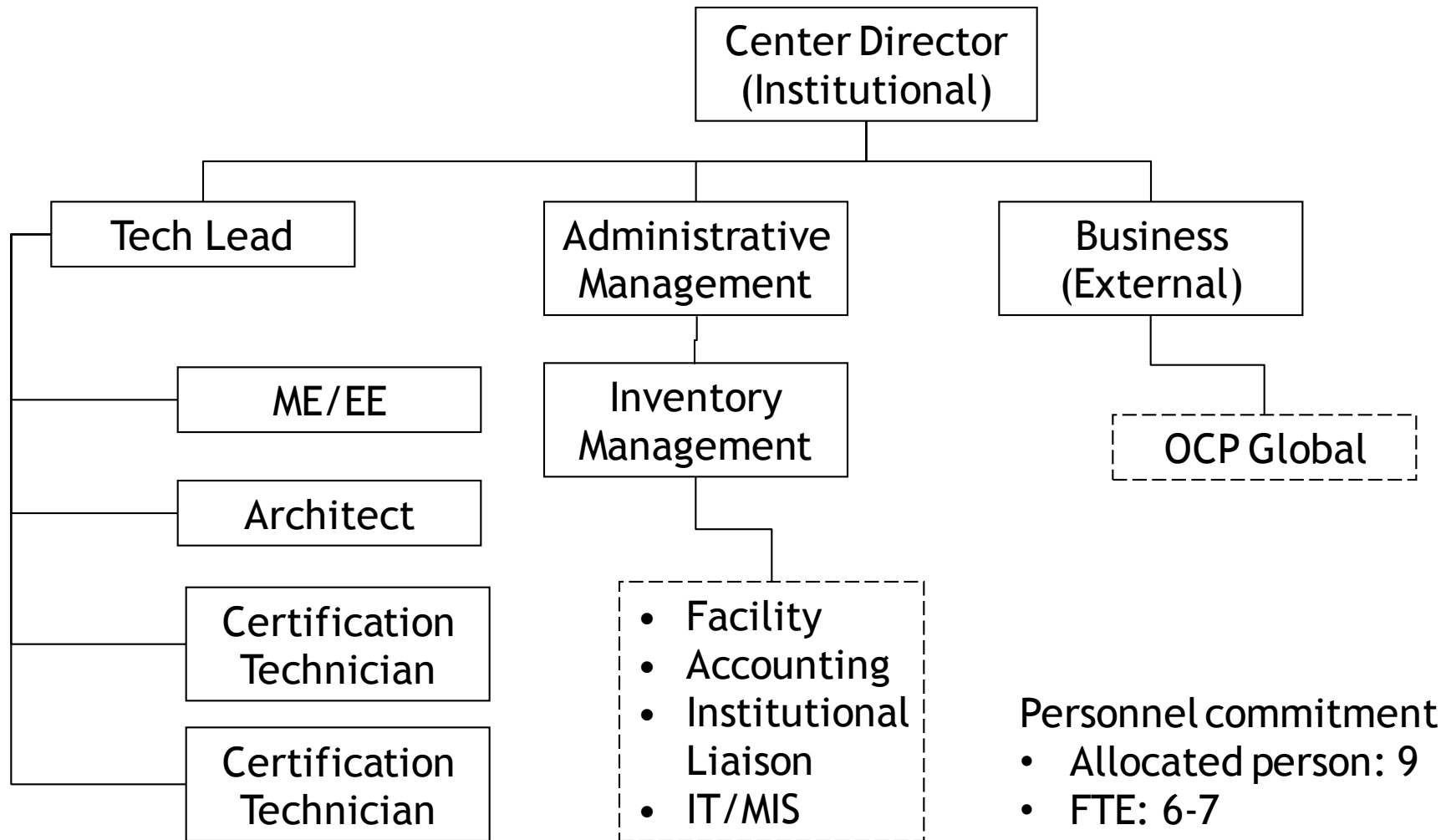


Mar 3<sup>rd</sup>/4<sup>th</sup>, 2014  
ITRI Cert Center Grand Opening Party  
OCP Workshop + Product Demo



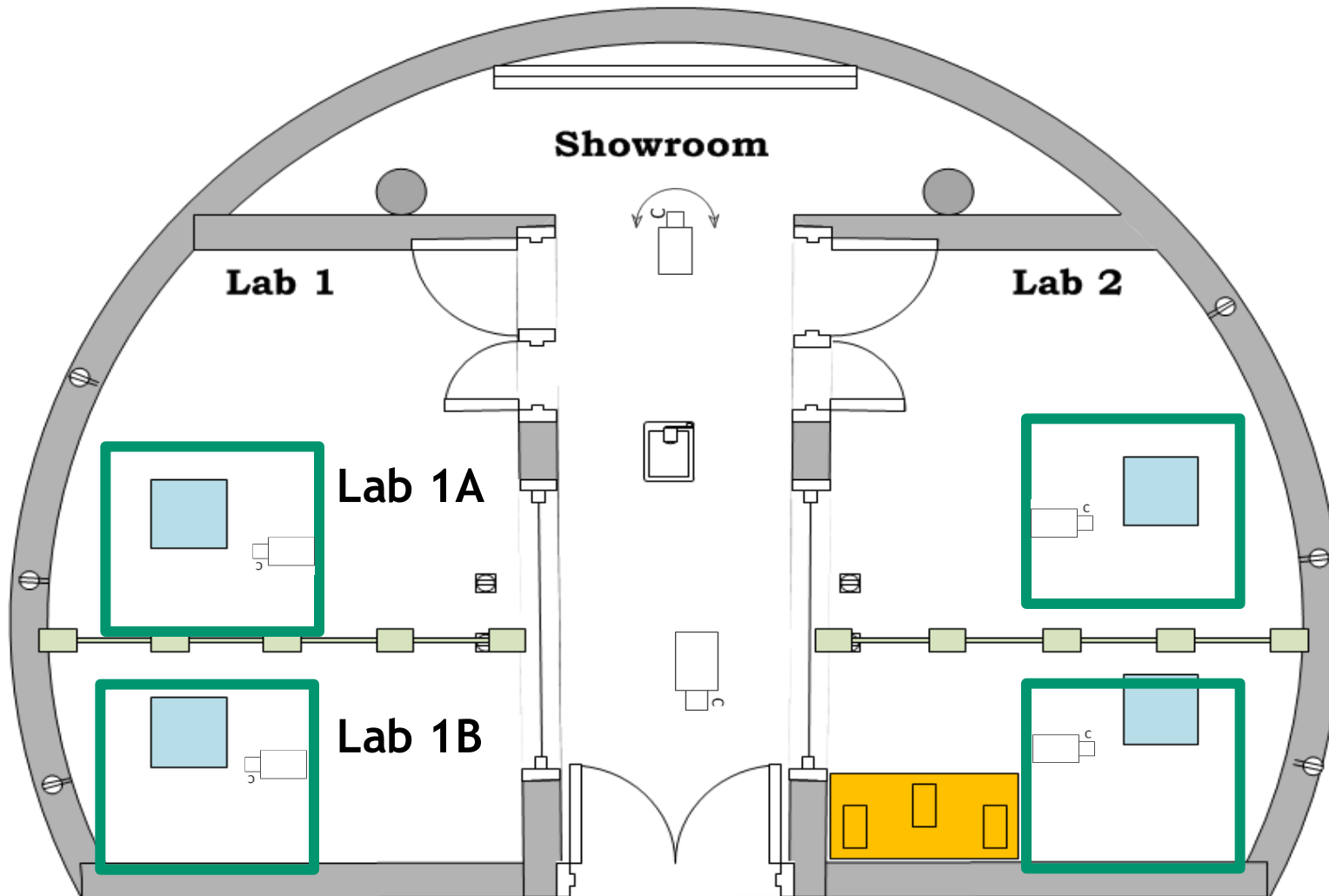


# Cert Center Organization Chart





# Cert Center Layout



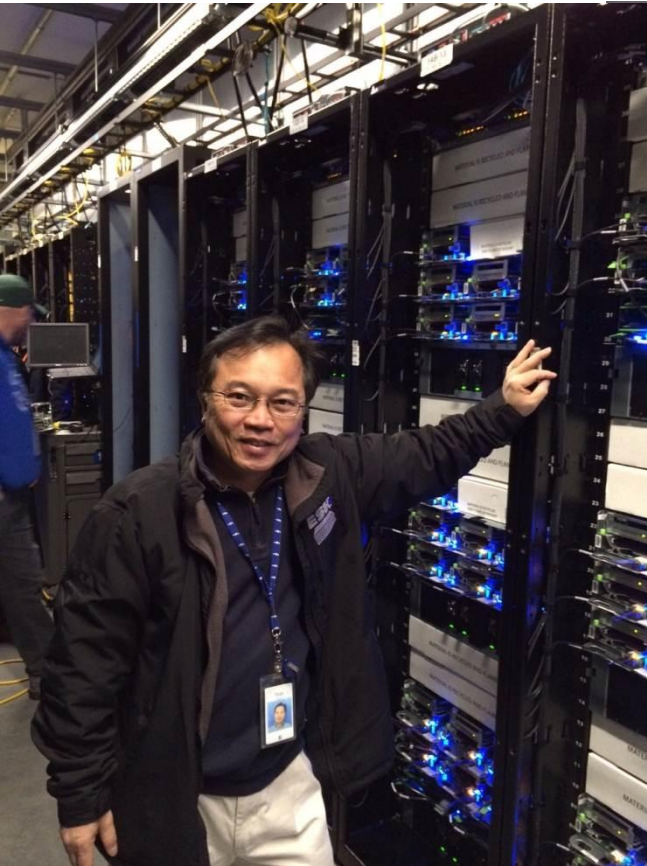
Space

- ~100 sqr meter

\* Warehouse  
space not shown



# ITRI OCP Team







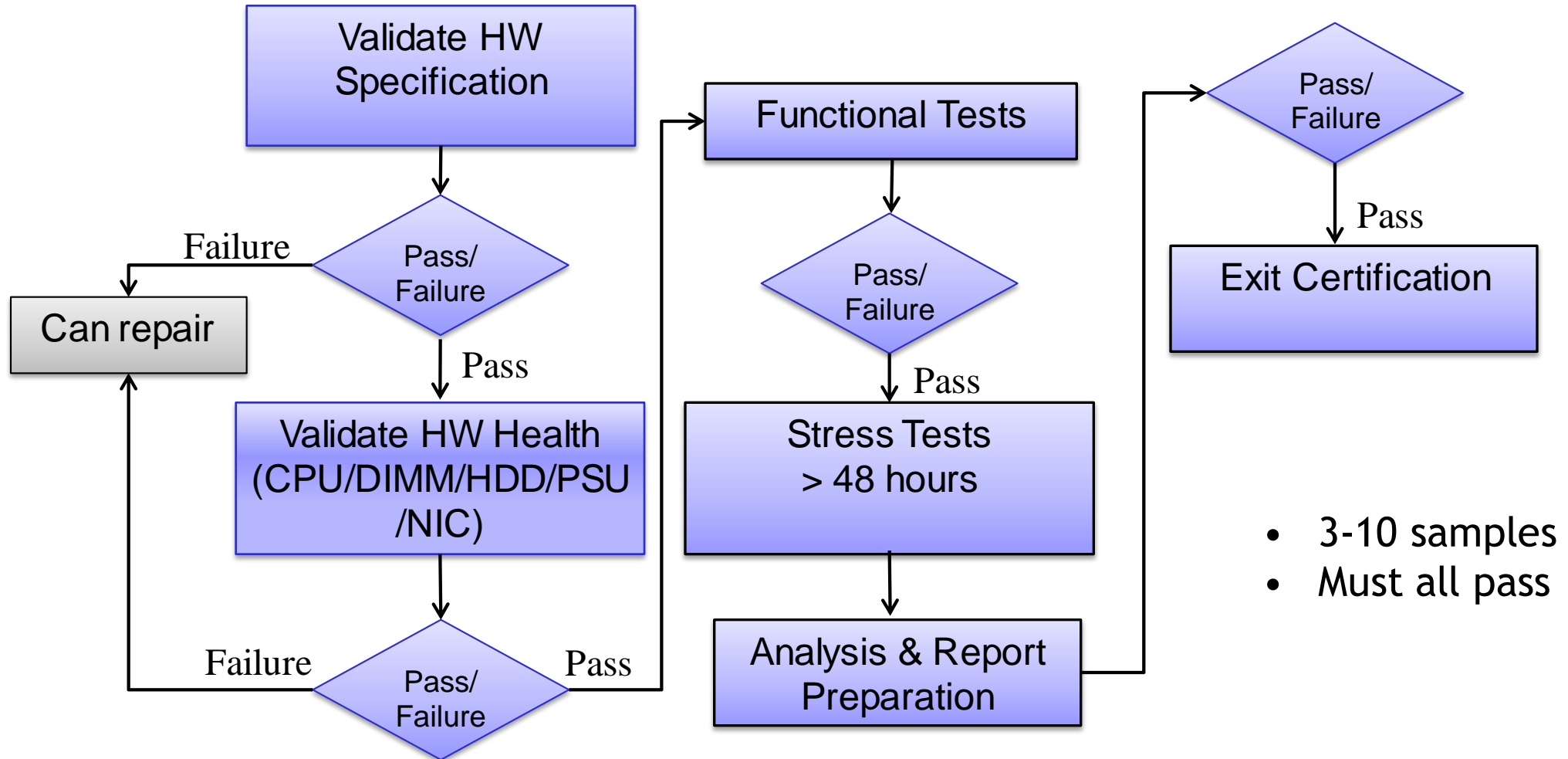
# Standardized Testing Program



- ITRI OCP Center works with the global C&I team to develop:
- Functional Testing
- Stability Testing
- Stress Testing
- Local Testing
- Remote Testing



# ITRI Center Certification Process



- 3-10 samples
- Must all pass

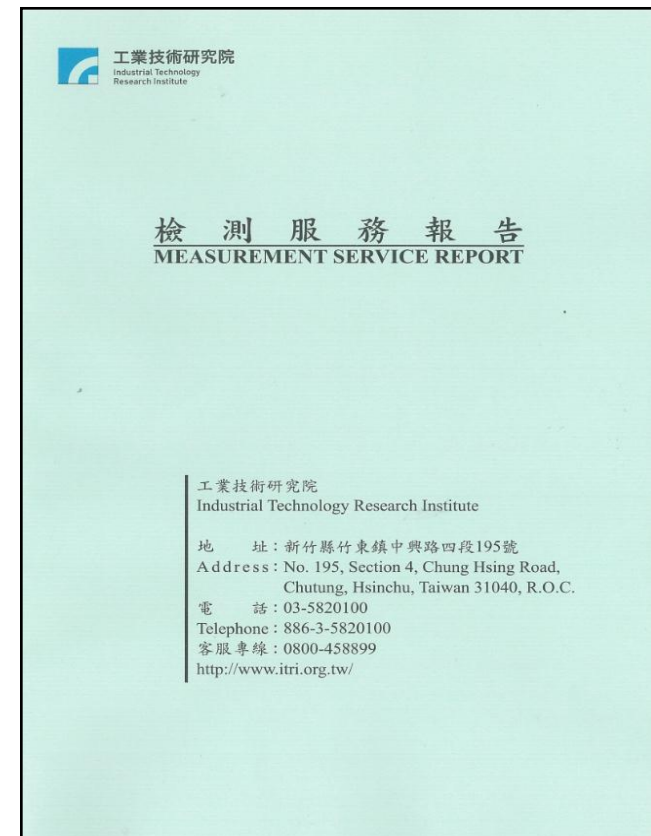
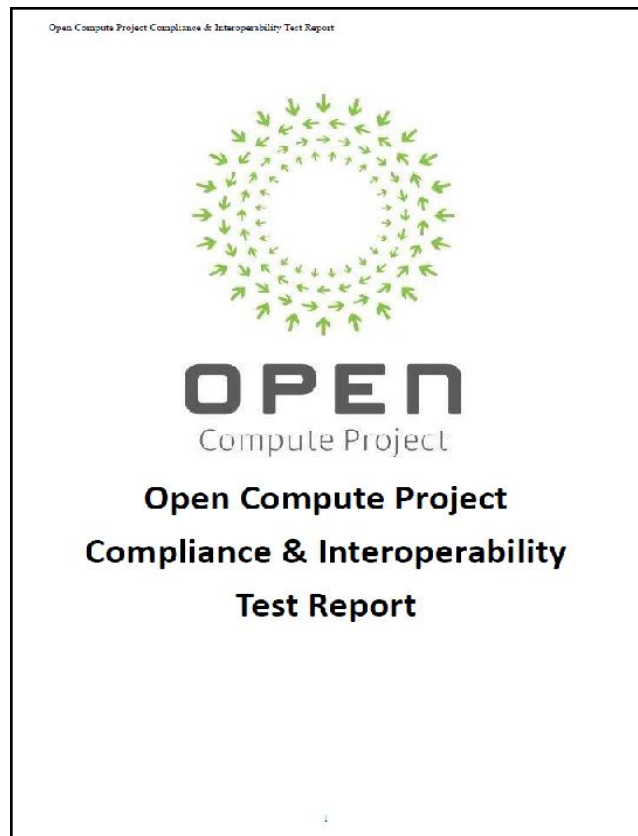


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Industrial Technology  
Research Institute



# Certification Report to OCP Foundation

ITRI OCP Center submits certification report to OCP Foundation's  
Director of Certification Labs for independent review





# Certificate Issuance by OCP Foundation



Product Certification

The Open Compute Project Foundation hereby certifies that the

Company Name and City/Country,  
Device Series and Model

is eligible to bear the OCP Certified mark, under Certification Version 1.0



Hugh Blemings, Director of Certification

Certificate Number: YYYYMMDD-V-nnn  
Issue Date: D<sup>th</sup> Month Year



Test Lab: ITRI or UTSA  
Tests Passed: D<sup>th</sup> Month Year

Issued by the Open Compute Project Foundation, Austin, TX, USA



Product Certification

Details of Certified Hardware

**Manufacturer:** Company, Country

**Certified Product:** Product name, model

**Configuration:**

1x	CPU details
4X	RAM details
1X	RAID/Disk details
1X	Ethernet 1 details
1X	Ethernet 2 details

Certificate Number: YYYYMMDD-V-nnn  
Issue Date: D<sup>th</sup> Month Year



Test Lab: ITRI or UTSA  
Tests Passed: D<sup>th</sup> Month Year

Issued by the Open Compute Project Foundation, Austin, TX, USA

Separation of Testing and Issuance conforms to ISO 17011

ISO 17011: Conformity assessment, General requirements for  
accreditation bodies accrediting conformity assessment bodies

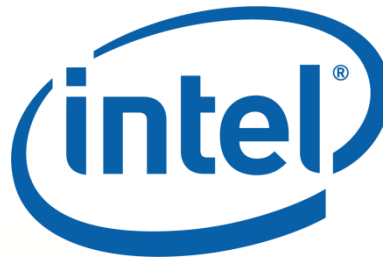


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Industrial Technology  
Research Institute



# OCP Server Certification Global Team

CANONICAL



wiwynn

Quanta<sup>®</sup>  
Optimize Your Datacenter



ITRI  
Industrial Technology  
Research Institute





# Finding ITRI OCP Center

## Full Name

- ITRI OCP Certification Testing Center
- 工研院 OCP 驗證中心

URL: [www.OCP Certification Center.org](http://www.OCP Certification Center.org)

## Mascot: AC the Owl

- AC powers Data Centers;
- AC the Owl empowers DC operators

## Email address

- [info@ocpcertificationcenter.org](mailto:info@ocpcertificationcenter.org)
- [submission@ocpcertificationcenter.org](mailto:submission@ocpcertificationcenter.org)





# Tested Systems Repository

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## Open Computer Project Certification Testing Center

- > [Who We Are](#)
- > [Requirements](#)
- > [Methodologies](#)
- > [Tested Systems](#)

### Tested Systems

Company	Category	Model Name	Common Name	Date Tested	Specifications	Details
Quanta Computer Inc.	Server	F03C	Winterfell	24-Jan-14	Intel v. 2.0 Spec	
Wiwynn Corp.	Server	Winterfell	Winterfell	7-Jan-14	Intel v. 2.0 Spec	

URL: [www. OCP Certification Center .org](http://www.OCP Certification Center .org)



# Getting Involved

- Process
- Engagement
- Current activities
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# Q&A

# Thank You

Y.F. Juan / 阮耀飛

Deputy Director

Global Strategy & Business Development

Industrial Technology Research Institute

t: +886 3.591.6173

m: +886 975.876.919

e: [yf.juan@itri.org.tw](mailto:yf.juan@itri.org.tw)