

ETRI Q-mark



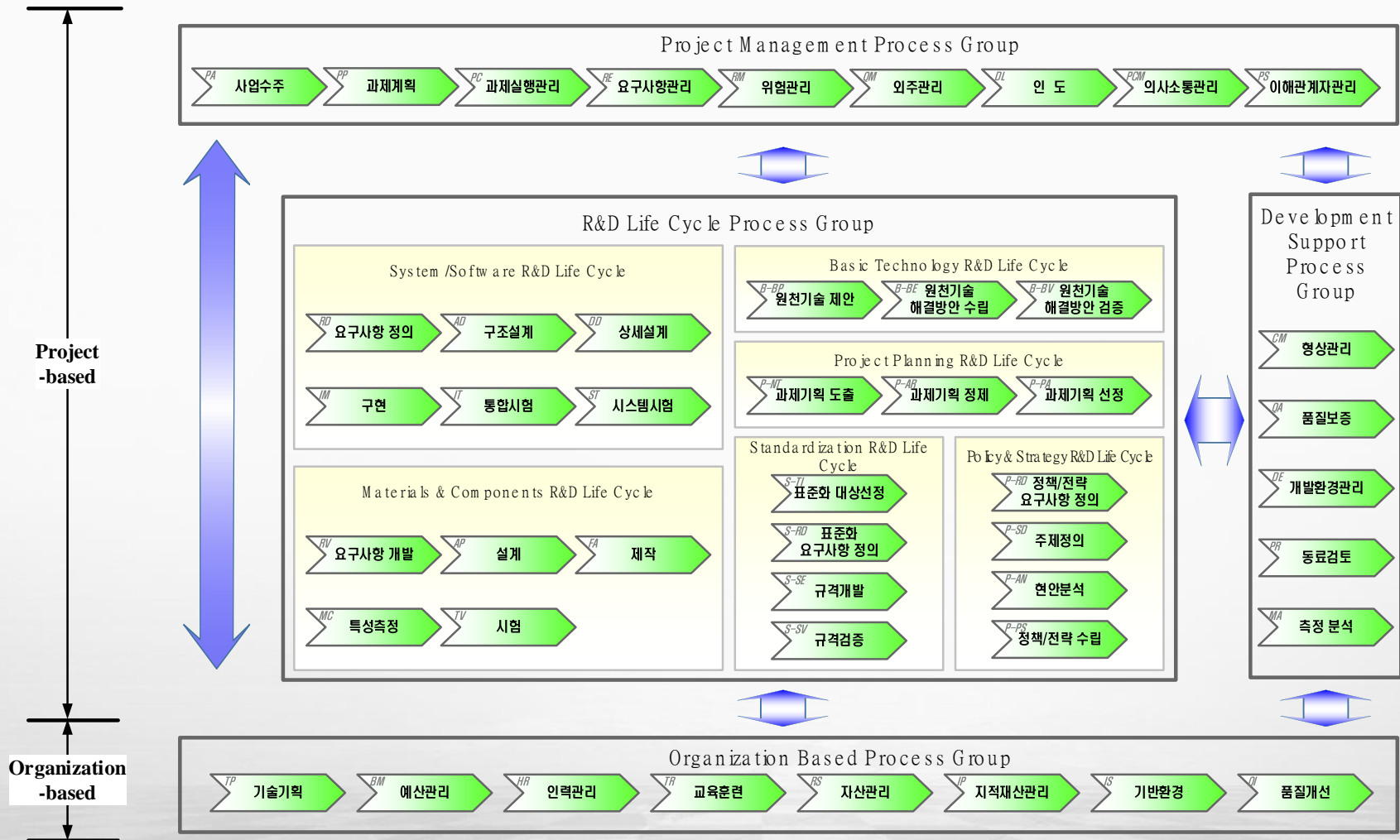
제4차 산업혁명을 선도하는 ICT Innovator

ETRI

- 2003. 2.: Version 1.0
- 2003. 12.: Version 2.0
- 2009. 7.: Version 3.0
- 2017. 1.: Version 4.0
- Reference
 - ISO 9001:2015, Quality Management Systems –Requirements, 2015
 - CMMI-SE/SW/IPPD/SS, Capability Maturity Model Integration V1.3, 2010
 - ISO/IEC 33001:2015, Information Technology – process assessment, 2015



ETRI R&D Standard Process



Definition

Q-mark is the program to guarantee quality of research projects that have passed certification standards for their outcome completeness and customer satisfaction

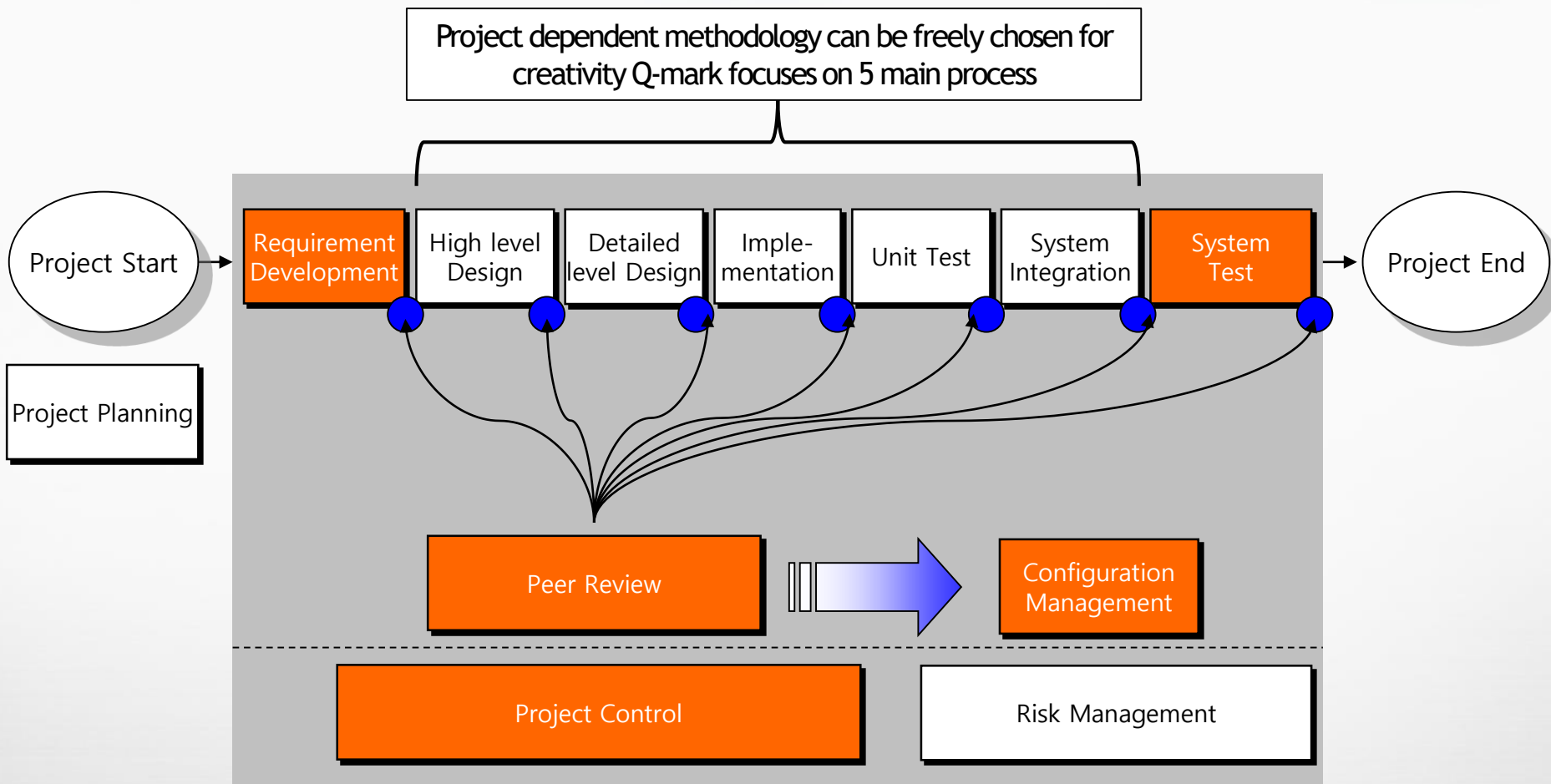
Objectives

- Improving the completeness of project outcomes
- Improving the execution & management skill for project

Target

- Project outcomes: Every project for technology transfer should acquire the Q-mark certification for their outcomes
- Exceptions
 - ✓ Security Projects
 - ✓ Infrastructure projects like service support, laboratory operation, training service

Characteristics of Q-mark process



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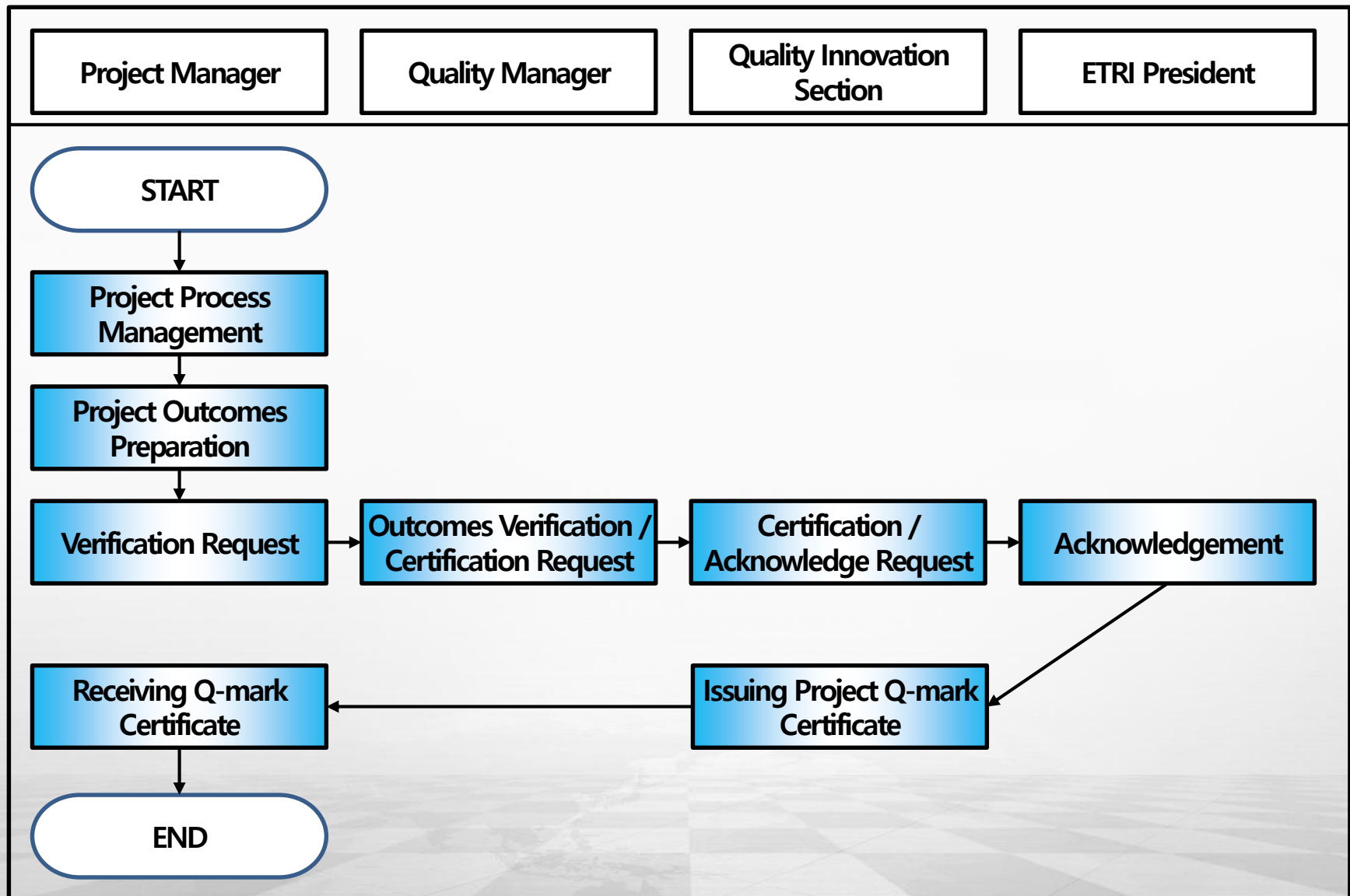
Process Assessment

- **Objectives:** Definition and performance level of defined process
- **Target:** Defined process(include 5 mandatory requirement process)
 - **RD:** Requirements Development
 - **ST:** System Test
 - **PR:** Peer Review
 - **CM:** Configuration Management
 - **PC:** Project Control
- **Standard:** Checklist per process
- **Role:** Third party(Quality manager)
- **Result:** S, A, B grade per process
- **Pass:** Above a grade of all processes

Outcome Verification

- Objectives: Completeness against System Requirements
- Target: Outcome & Test result report
- Standard: System Requirements
- Role: Third party(Quality Manager)
- Result: Verification rate of System Requirements
- Pass: 100%

Q-mark Flow



Young Forty, Let's Move!

Thank You!



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