SECURITY SYSTEM
DEVELOPMENT AND BUILDING SERVICE

EXECUTIVE SUMMARY

Most organizations that need to comply with security regulations must have a basic security system.
In particular, the following articles from RURA describe the basic security systems you need.
Our Services and Products are sure to help you acquire security systems including technology transfer at low cost.

ARTICLE	Managerial Countermeasures	Technical Countermeasures
1~5: Purpose, Terms…	-	-
6: Responsibilities of Licensees	ISO/IEC 27001 Certification	
7~8: Security Measures	-	-
9: Appropriate security controls	Configuration Management Policies & Procedures Change Management Policies & Procedures Incident Management Policies & Procedures Secure Development Policies & Procedures Business continuity Plan, Disaster Recovery Plan Security Vulnerability Test and Records Penetration Test and Records Regulatory Compliance Management Policies	Configuration Management System Change Management System Incident Management System Secure Development Management Tool Security Vulnerability Testing Tool GRC management Tool
12: Protection of the management plane	Security Management Policies and Procedures	Network Firewall, VPN SIEM, IDS/IPS WAF(Web Application Firewall) AAA management Server (TACACS, RADIUS, Log Management System Patch Management System
13: Protection of the Signaling plane	SS7 Security Policies and Procedures	SS7 Firewall, SMS Firewall,
14: Protection of the data plane	Data and Contents Security Policies and Procedures	Network Firewall, Network ACL, NAC DBMS Firewall, Data Encryption System
…	…	…

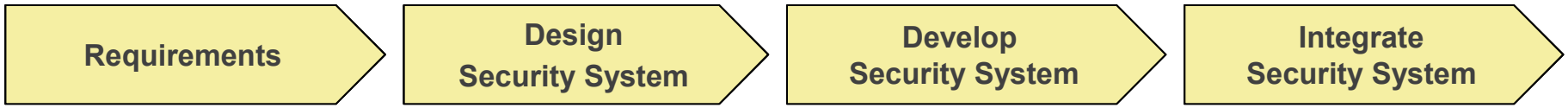
SERVICE STRATEGY

The security system development and building service provided by our company is definitely different from other companies. We are confident that this differentiation will help you acquire the necessary security system, not only cost point of view, but also from a future operational perspective.

- **Supply products at about 30~50% price of existing commercial products**
  - Because we develop and deliver security systems based on open source, you can acquire security systems at much lower cost than traditional commercial products.
- **Rapid development with globally proven Open Source**
  - By selecting and developing only open sources that have been verified by developers around the world, we can quickly provide you with a proven security system that is both the security and the stability.
- **Provide not only simple system building but also related technology transfer**
  - Based on our own technology, we provide not only security system delivery but also technology transfer.

METHODOLOGY

The methodology consists of 4 phases from Requirements to Integrate Security System. Depending on the scope of project, there are a little bit deference tasks and steps of each phase.



- Requirement Gathering
- Project Scope Definition
- Detailed WBS Design

- Regulatory Audit Result Analysis
- Prioritizing Corrective Action
- Audit Result Virtual Simulation

- Technical Security Implementation Support
- Administrative Security Implementation Support
- Security System Implementation Support

- Final Readiness Simulation
- Wrap-up meeting

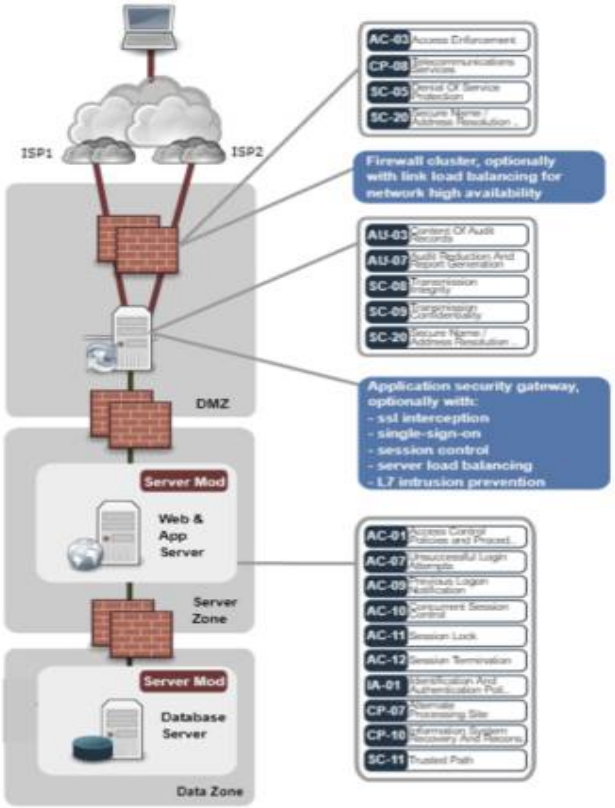
Deliverables

- Security System Design Report
- Security System Guide for administrators
- Training and Education Materials

CASES – Security System Design for a Public Web Service

One of the requirements of RURA Article 9 (Appropriate Security Com- ments) are the requirements for Secure applications. And the standard design of Security System for secure Web Service is designed as follows: Network security system to implement network access control, Database security system for database security, WAF for Web service security, and so on.

We provide services to design and build security systems from a security threat perspective.



[Relevant Threats]

- Malicious entities try to exploit software bugs in the Web server
- Denial of service (DoS) attacks may be directed to the Web server
- Compromises through Web Application's security holes

[Security System Design and Building]

- Network Firewall(External / Web Server / Database zone), IPS
- Database Firewall, Data Encryption System
- WAF (Web Application Firewall)
- Integrated Log Management / SIEM
- PKI certification for HTTPS protocol
- Anti-DDoS System
- Web Server LB(Load Balance) Server
- Anti-DNS attack System
- Data Backup Server
- Patch Management Server