

Drivers for Software/System Development

Mission

The [program/project] is developing and deploying the [software-reliant system].

Objective

By the end of the development and deployment phase (N months),

- the system will provide agreed-upon services to users
- development and deployment costs cannot exceed X percent of original estimates

Programmatic Drivers – Software/System Development

Driver Name	Question
1. Program Objectives	Are program objectives (product, cost, schedule) realistic and achievable?
2. Plan	Is the plan for developing and deploying the system sufficient?
3. Process	Is the process being used to develop and deploy the system sufficient?
4. Task Execution	Are tasks and activities performed effectively and efficiently?
5. Coordination	Are activities within each team and across teams coordinated appropriately?
6. External Interfaces	Will work products from suppliers, partners, or collaborators meet the program's quality and timeliness requirements?
7. Information Management	Is the program's information managed appropriately?
8. Technology	Does the program team have the tools and technologies it needs to develop the system and transition it to operations?
9. Facilities and Equipment	Are facilities and equipment sufficient to support the program?
10. Organizational Conditions	Are enterprise, organizational, and political conditions facilitating completion of program activities?
11. Compliance	Does the program comply with all relevant policies, laws, and regulations?
12. Event Management	Does the program have sufficient capacity and capability to identify and manage potential events and changing circumstances?

Product Drivers – Software/System Development

Driver Name	Question
13. Requirements	Are system requirements well understood?
14. Architecture and Design	Are the architecture and design sufficient to meet system requirements and provide the desired operational capability?
15. System Capability	Will the system satisfactorily meet its requirements?
16. System Integration	Will the system sufficiently integrate and interoperate with other systems when deployed?
17. Operational Support	Will the system effectively support operations?
18. Adoption Barriers	Have barriers to customer/user adoption of the system been managed appropriately?
19. Operational Preparedness	Will people be prepared to operate, use, and maintain the system?
20. Certification and Accreditation	Will the system be appropriately certified and accredited for operational use?

Drivers for Secure Software/System Development

Mission

The [program/project] is developing and deploying the [software-reliant system].

Objective

When the system is deployed, security risks to the deployed system will be within an acceptable tolerance.

Programmatic Drivers – Secure Software/System Development

Driver Name	Question
1. Program Security Objectives	Are the program's security objectives realistic and achievable?
2. Security Plan	Does the plan for developing and deploying the system sufficiently address security?
3. Contracts	Do contract mechanisms with partners, collaborators, subcontractors, and suppliers sufficiently address security?
4. Security Process	Does the process being used to develop and deploy the system sufficiently address security?
5. Security Task Execution	Are security-related tasks and activities performed effectively and efficiently?
6. Security Coordination	Are security activities within the program coordinated appropriately?
7. External Interfaces	Do work products from partners, collaborators, subcontractors, or suppliers meet security requirements?
8. Organizational and External Conditions	Are organizational and external conditions facilitating completion of security tasks and activities?
9. Event Management	Is the program able to identify and manage potential events and changing circumstances that affect its ability to meet its software security objectives?

Product Drivers – Secure Software/System Development

Driver Name	Question
10. Security Requirements	Do requirements sufficiently address security?
11. Security Architecture and Design	Do the architecture and design sufficiently address security?
12. Code Security	Does the code sufficiently address security?
13. Integrated System Security	Does the integrated system sufficiently address security?
14. Adoption Barriers	Have barriers to customer/user adoption of the system's security features been managed appropriately?
15. Operational Security Compliance	Will the system comply with applicable security policies, laws, standards, and regulations?
16. Operational Security Preparedness	Are people prepared to maintain the system's security over time?
17. Product Security Risk Management	Is the approach for managing product security risk sufficient?