



Integrated Defense Systems

5th Annual CMMI Technology Conference and User Group – Executive Panel

“How Has CMMI Improved Our Program and Project Performance – Or Has It?”

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How Has CMMI Improved Our Program and Project Performance – Or Has It?

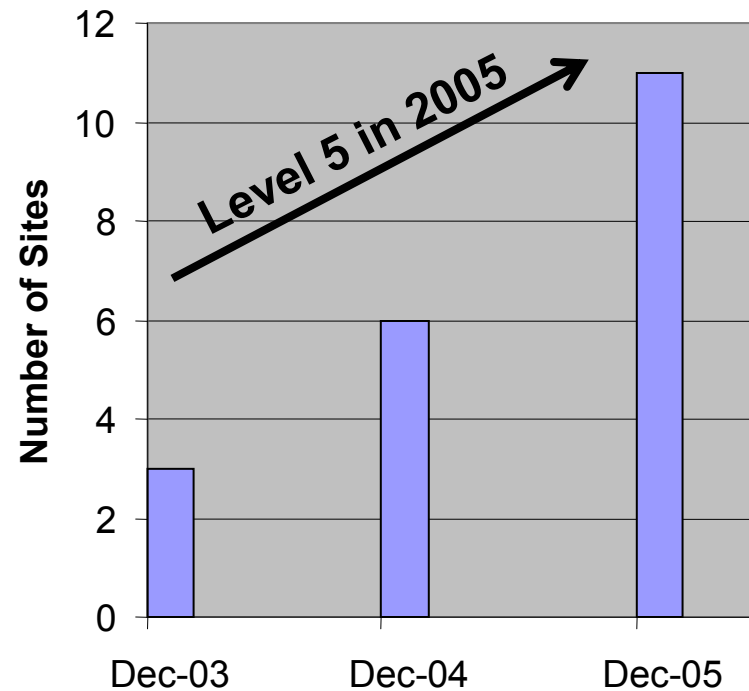
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Topics

- **CMMI Deployment and Use**
- **Common Process Initiatives**
- **Plans for SE Management on Programs**

CMMI Maturity Level – All IDS Business Units and All Major Sites

Boeing Sites Appraised at ML5



Note: Based on CMMI assessments at most sites in SW, SE, IPPD, and Supplier Management.

Boeing Is Committed to CMMI

Domain Expertise & Experience - Independent Reviews



Registration

- Process documentation standard
- Quality measurement system

Boeing Proprietary



“How to” Strategies

- End to End
- Value Stream Analysis

Overarching Framework

- Management Leadership
- High level visibility

Business Excellence



Capability Maturity Model Integration

Process Improvement

- Implementation
- Metrics driven



Program Management Best Practices

Management

- Maturity matrix
- Review feedback

Systems Engineering

Execution

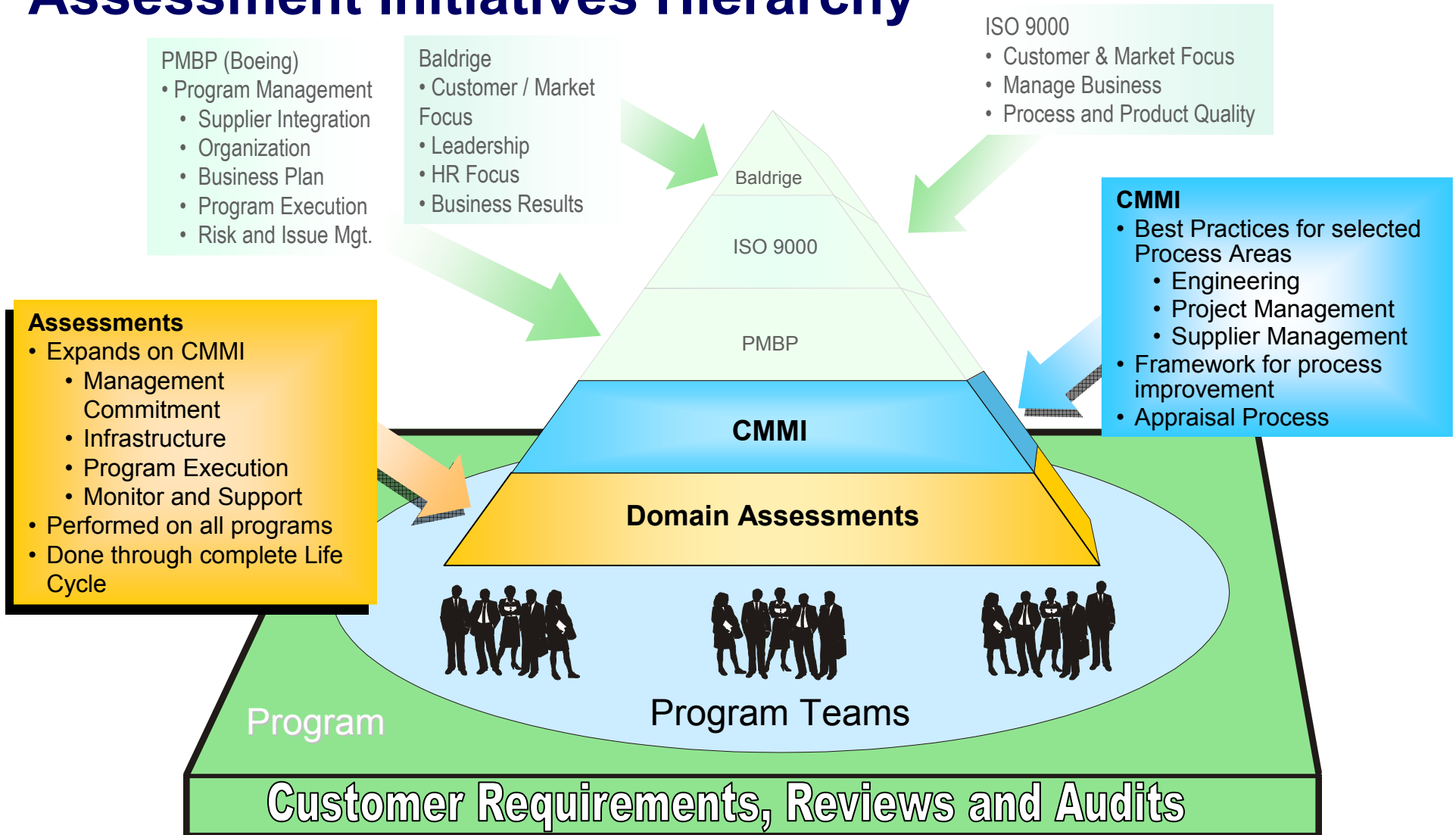
- SE Plan
- Maturity

Concept of SE Execution

- Use **CMMI in its fullness** to manage process maturity
- Incorporate **Program SE Performance Management**
 - Work-product metrics and **trends**
 - Methods for using assessments and metrics to manage the program
- Create a **customer/contractor partnership** to develop “structured management” on the programs

*Focus on SE Practice and Related Measures
to Ensure Program Success*

Assessment Initiatives Hierarchy





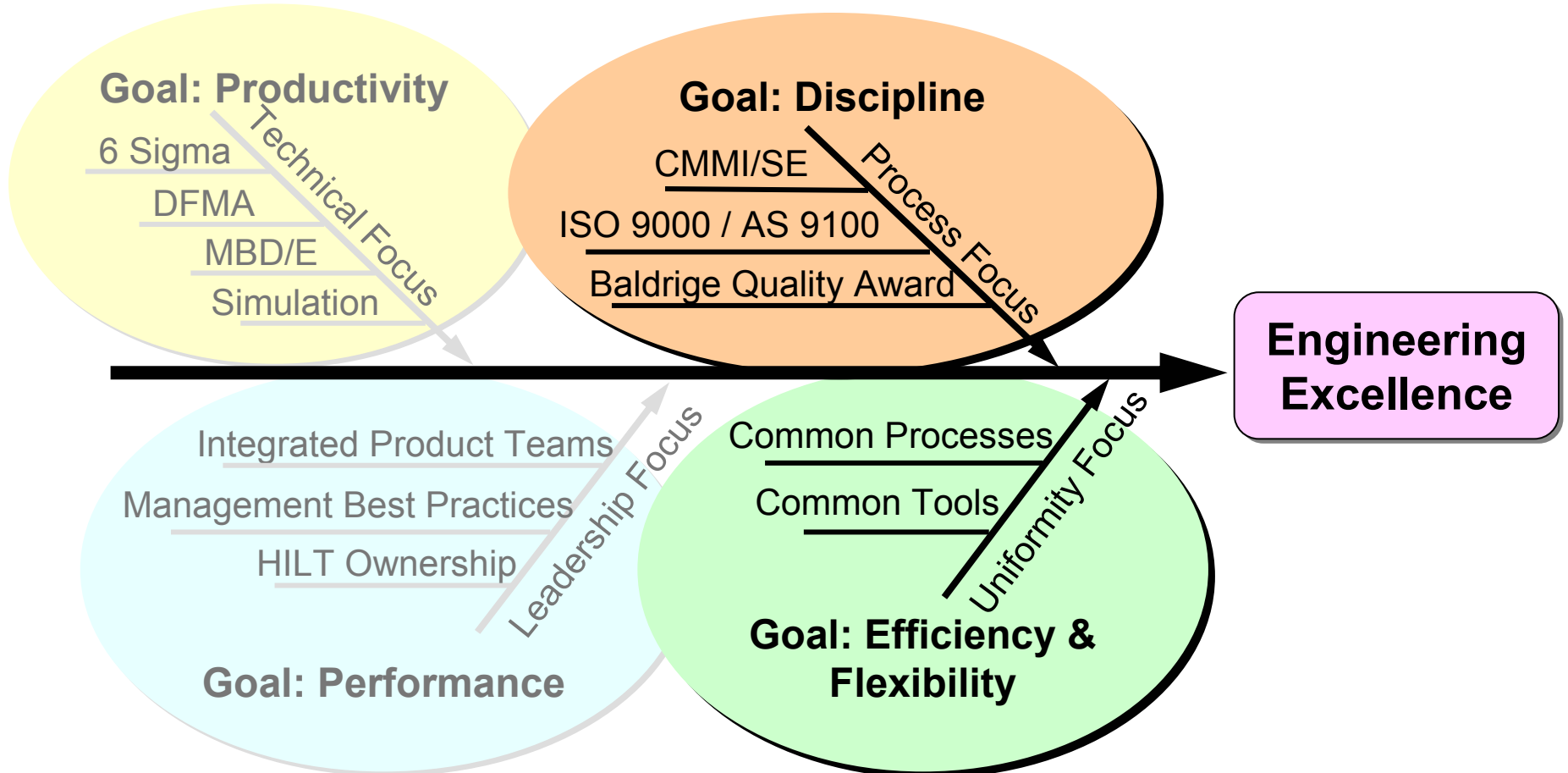
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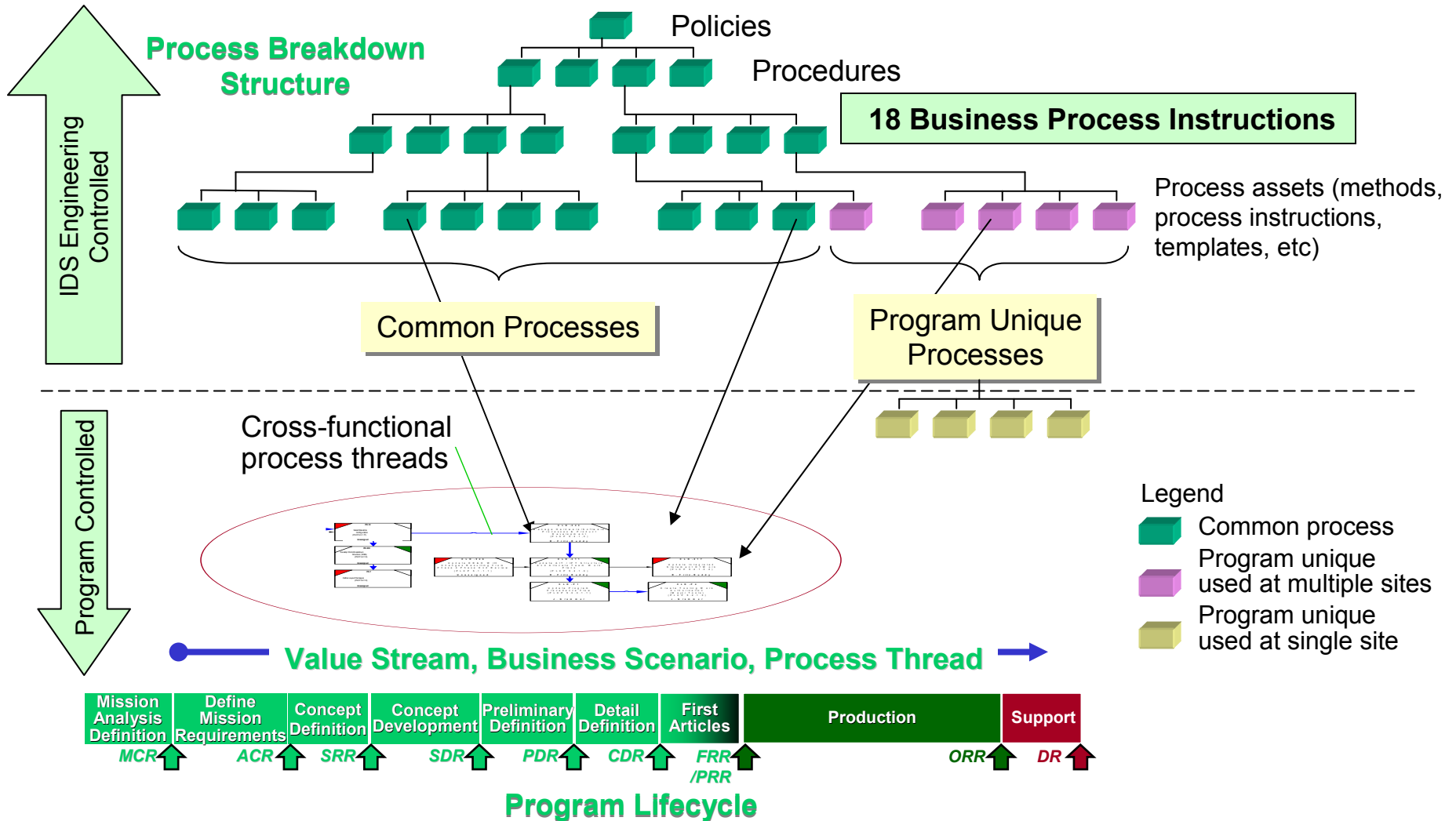
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Improvement Initiatives



*Boeing Has Defined Common Processes
Consistent with CMMI*

Applying Common Process Assets on Programs





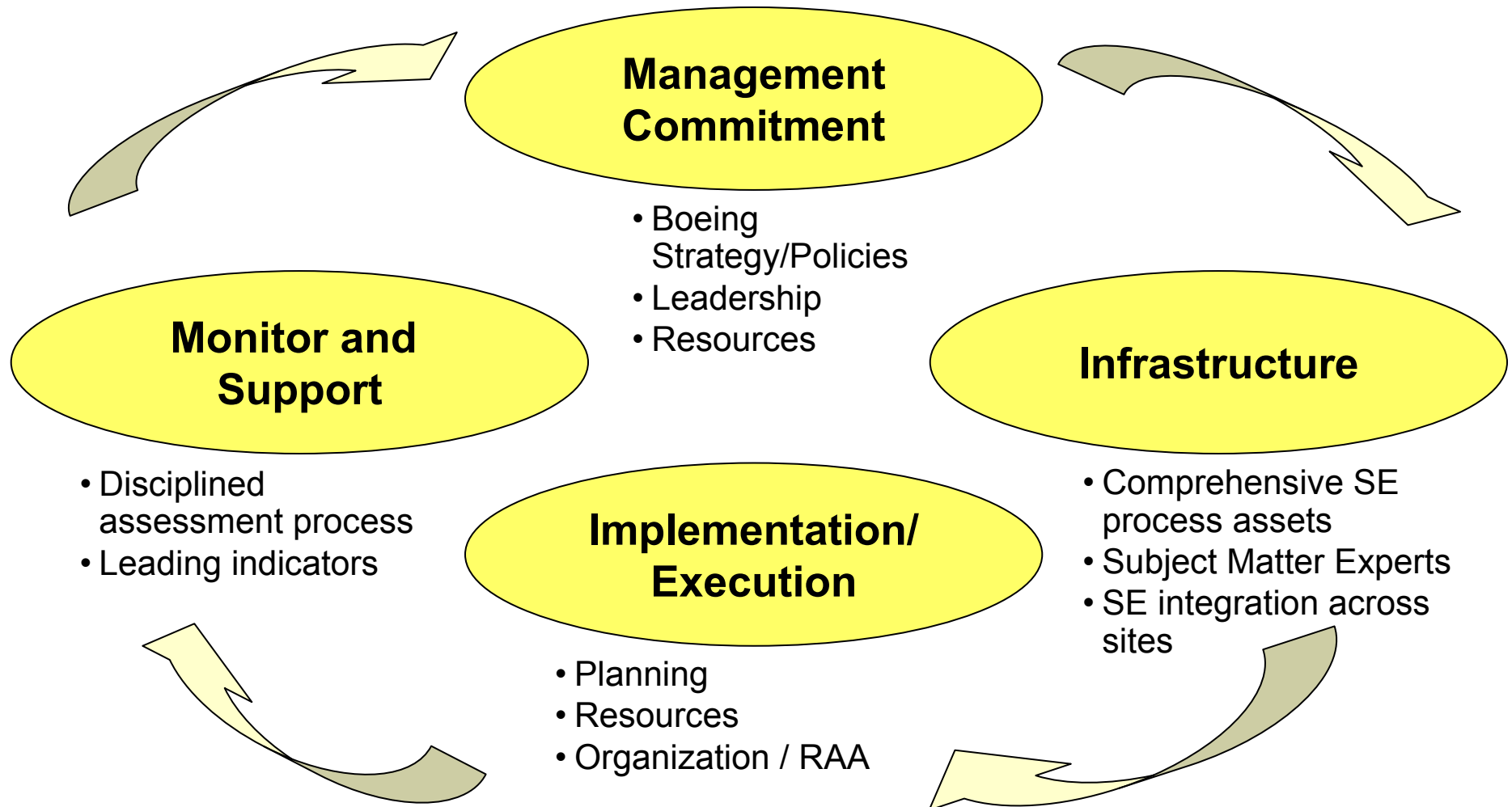
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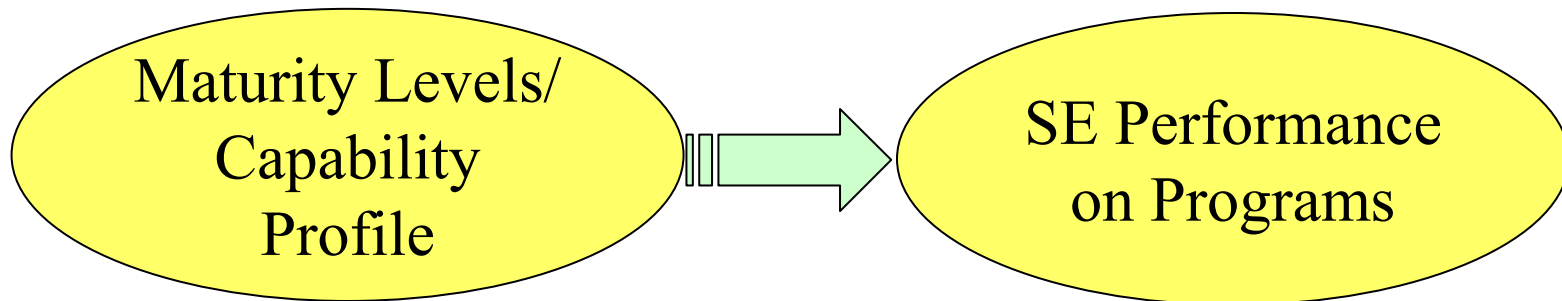
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Strengthening SE Execution at IDS



Summary

- **Maturity level** and **Capability profile** are necessary, but not sufficient for SE maturity
- Recommend deployment of SE processes and metrics to ensure **program's ability to execute**





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