NADEP Jacksonville Earned Value

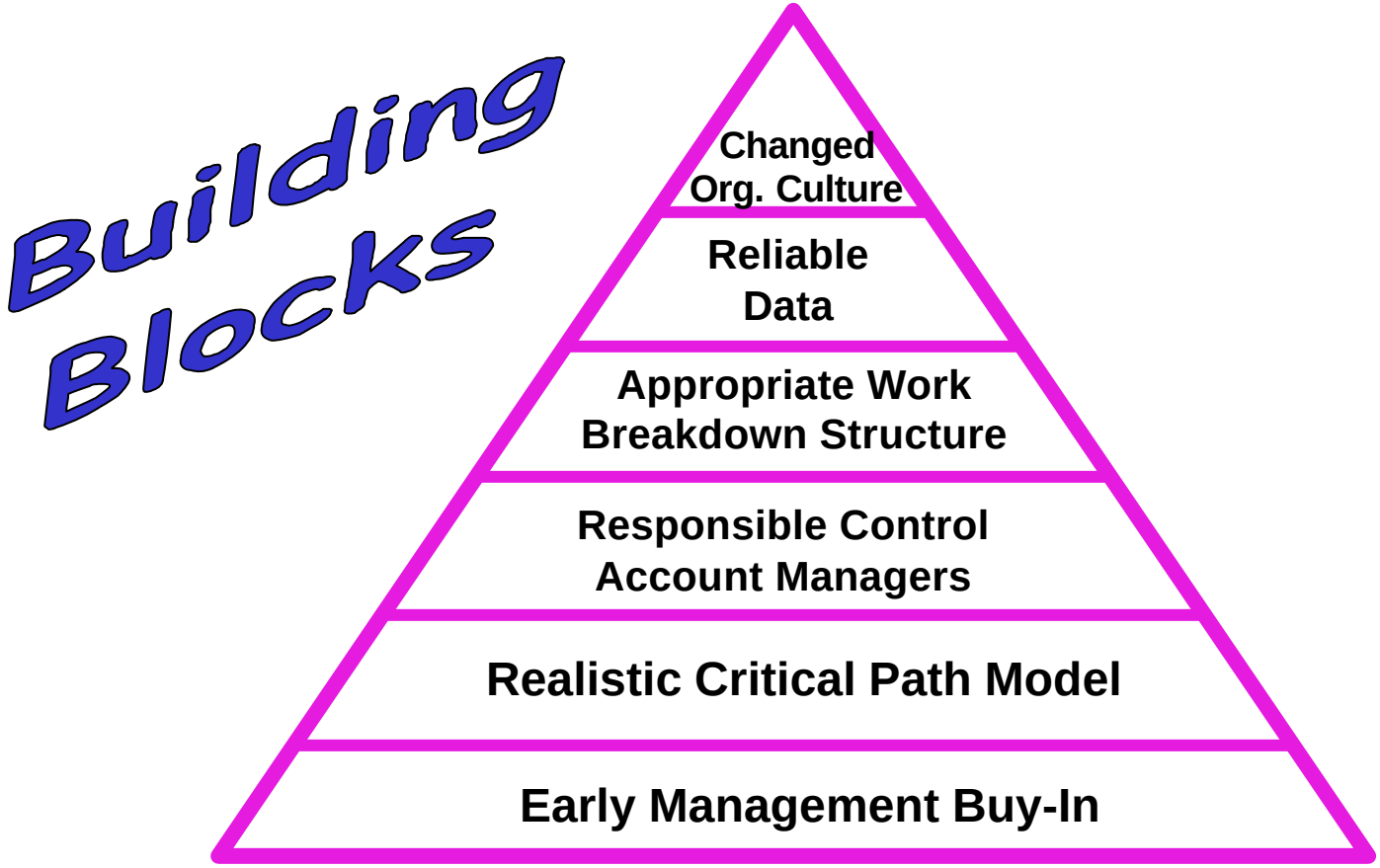
NADEP Jacksonville Earned Value

- The Naval Aviation Depot is an industrial facility within the NAVAIR corporation
- “Depot” level rework is performed on aircraft, engines and components

NADEP Jacksonville Earned Value

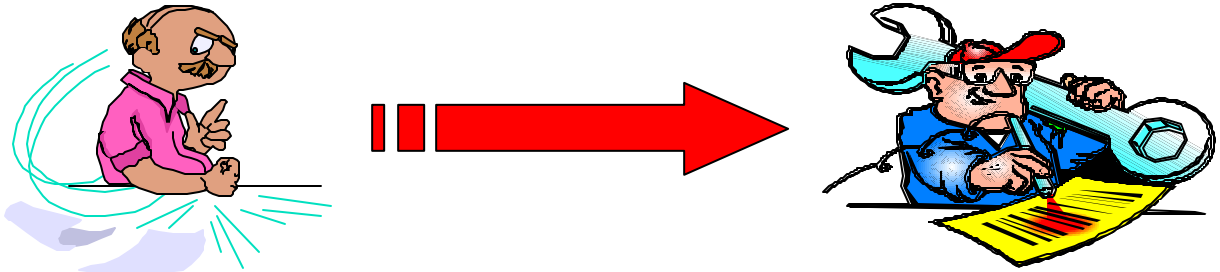
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
'95		Start Impl.			EV Training							System Rqmts.
'96	System Rqmts.									Readiness Review		
'97	Validation Review	System Acceptance										
'98	Re-Design Decision						Integrated Baseline Review					Critical Design Review
'99					In-House EVM Workshop							MRPII Integration

NADEP Jacksonville Earned Value



NADEP Jacksonville Earned Value

- ***Early Management Buy-In***
  - Understanding. . .
    - what EV is and the benefits
    - the process and resource requirements
    - customer requirements
    - the integration with other management initiatives



NADEP Jacksonville Earned Value

Current Environment

- Earned Value
- Tailored Pricing/ Scheduling
- CA Studies
  - Matl Mgmt
  - Admin
  - Tech Data
- ERP
- MRPII
- BPR
  - Matl Mgmt
  - Planning/ Scheduling
- ISO 9000

Daily Operations

NADEP Jacksonville Earned Value

- ***Realistic Critical Path Model***
  - Measurable activities which relate to the work to be accomplished
  - Production input
  - Relationships drive the schedule

Template model tailored to reflect project constraints

Planning Model vs. **Working Model**

NADEP Jacksonville Earned Value

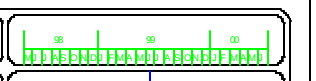
Project: 426D0400

Gantt Chart-All Actys

Process Date: 6/17/99

Page: 1

Activity Name	Activity Description	Start	Finish	Original Duration	Remaining Duration	OBS Number
426D0400A005DT	Induction	23-JUL-98	28-JUL-98	4		6.2.5.27
426D0400B005DT	Pre-strip	28-JUL-98	29-JUL-98	2		6.2.5.32
426D0400C005DT	Strip	29-JUL-98	06-AUG-98	8		6.2.7.1
426D0400D005DT	Prime	07-AUG-98	07-AUG-98	1		6.2.7.1
426D0400E005DT	Dassylbook 1	07-AUG-98	18-AUG-98	9		6.2.5.32
426D0400M095DT	general discrepancies	07-AUG-98	11-FEB-99	113		6.2.5.31
426D0400E020DT	Dassylbook 4	10-AUG-98	18-AUG-98	9		6.2.5.32
426D0400E010DT	Dassylbook 2	11-AUG-98	18-AUG-98	6		6.2.5.32
426D0400H999DT	Components	11-AUG-98	30-JUN-99	125	10	6.2.3
426D0400E025DT	Dassylbook 5	12-AUG-98	31-AUG-98	7		6.2.5.32
426D0400E015DT	Dassylbook 3	14-AUG-98	19-AUG-98	4		6.2.5.32
426D0400F005DT	E&E	24-AUG-98	28-AUG-98	4		6.4.4.2
426D0400M000DT	Start Metal	28-AUG-98	28-AUG-98			6.2.5.31
426D0400M800DT	Metals Phase	28-AUG-98	28-JAN-99	124		6.2.5.31
426D0400M015DT	ZN 1 E&E DISCREPS/ O&A LES	31-AUG-98	23-NOV-98	14		6.2.5.31
426D0400M095DT	AFC 7902	31-AUG-98	28-SEP-98	10		6.2.5.31
426D0400M220DT	AFC 8028	31-AUG-98	05-JAN-99	23		6.2.5.31
426D0400M010DT	SELECT DISASSEMBLY	01-SEP-98	02-SEP-98	2		6.2.5.32
426D0400M090DT	AFC 837	01-SEP-98	14-NOV-98	16		6.2.5.31
426D0400M100DT	AFC 7903	01-SEP-98	28-SEP-98	10		6.2.5.31
426D0400M110DT	AFC 7905	01-SEP-98	18-SEP-98	10		6.2.5.31
426D0400M125DT	AFC 7908	01-SEP-98	02-NOV-98	44		6.2.5.31
426D0400M155DT	AFC 79013	01-SEP-98	03-OCT-98	10		6.2.5.31
426D0400M175DT	AFC 7761	01-SEP-98	28-SEP-98	15		6.2.5.31
426D0400M205DT	AFC 8025	01-SEP-98	05-NOV-98	11		6.2.5.31
426D0400M265DT	AFC 737	01-SEP-98	04-NOV-98	17		6.2.5.31
426D0400M135DT	AFC 79010	02-SEP-98	05-NOV-98	36		6.2.5.31
426D0400M230DT	AFC 80210	02-SEP-98	01-OCT-98	13		6.2.5.31
426D0400M005DT	776/3 and 8022 lugwork	03-SEP-98	19-OCT-98	32		6.2.5.31
426D0400M190DT	AFC 7764	03-SEP-98	10-NOV-98	54		6.2.5.31
426D0400M045DT	REMOVE / REINSTALL BLOWOUT PANELS	04-SEP-98	07-JAN-99	2		6.2.5.31
426D0400M130DT	AFC 7909	04-SEP-98	11-JAN-99	30		6.2.5.31
426D0400M240DT	AFC 80212	04-SEP-98	14-SEP-98	2		6.2.5.31
426D0400H800DT	Emergent components	07-SEP-98	22-JUN-99	20	4	6.2.3
426D0400M255DT	AFC 80215	08-SEP-98	10-DEC-98	22		6.2.5.31



ACTIVITY PROGRESS FLOAT CRITICAL MILESTONE COMPLETE FLOAT

Time-Phased

NADEP Jacksonville Earned Value

- ***Responsible Control Account Managers***

Performing Organization

(Shop Level)

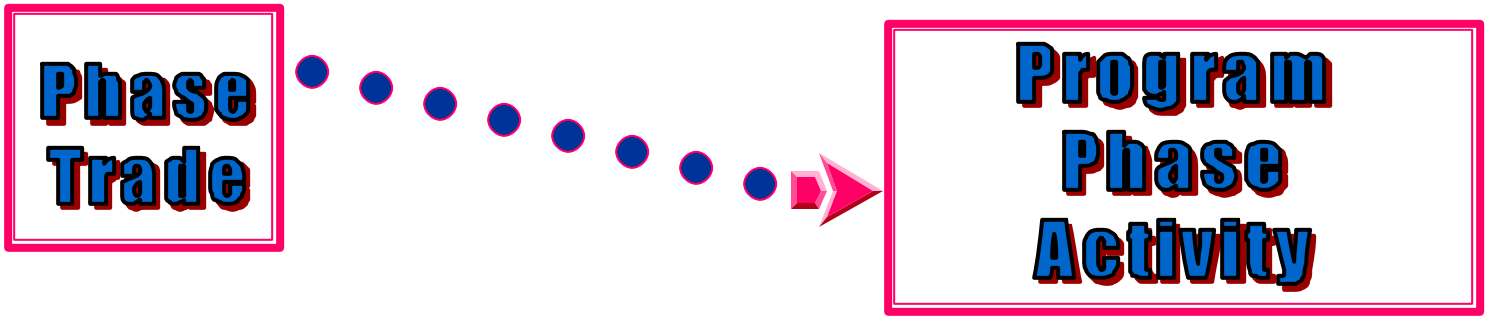
Responsible Organization

(General Foreman)

- **Performing Organization #1**
- **Performing Organization #2**

NADEP Jacksonville Earned Value

- ***Appropriate Work Breakdown Structure***
  - Must relate to production-based activities



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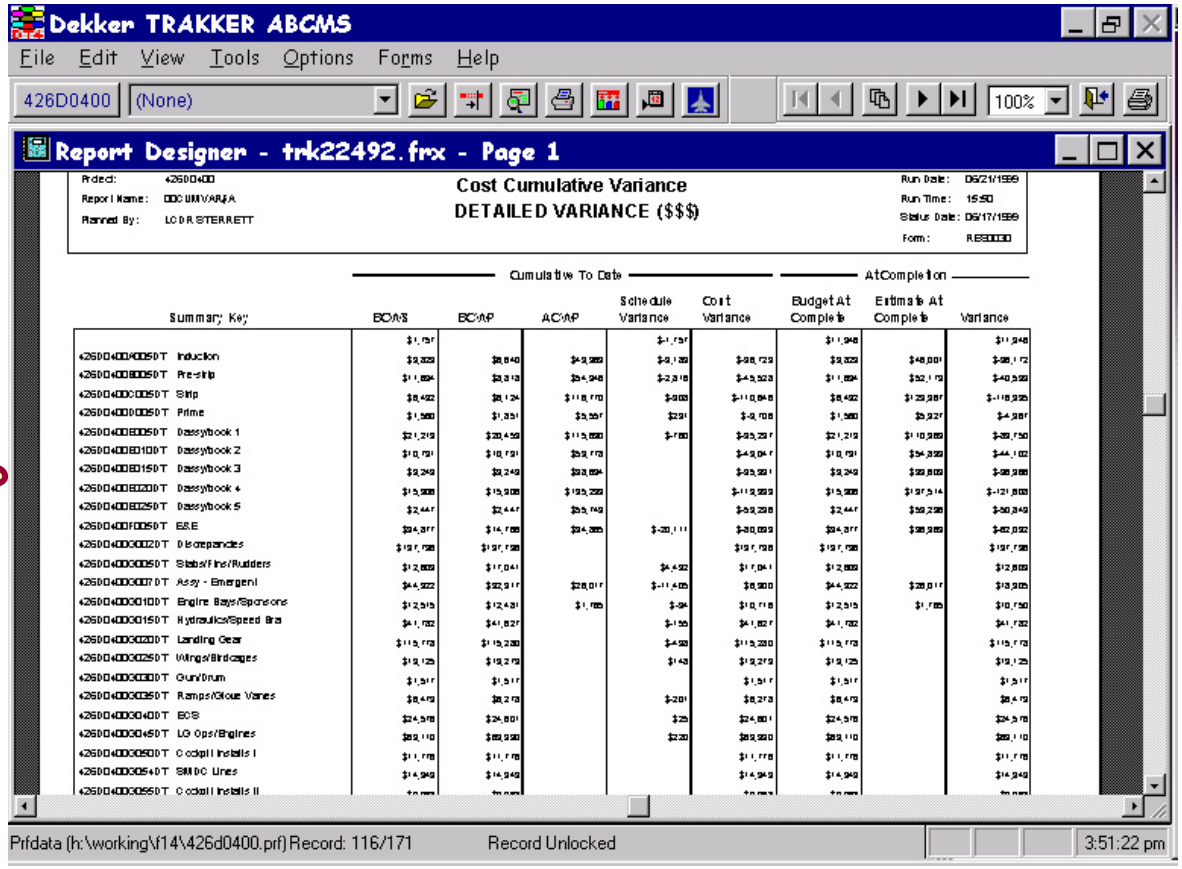
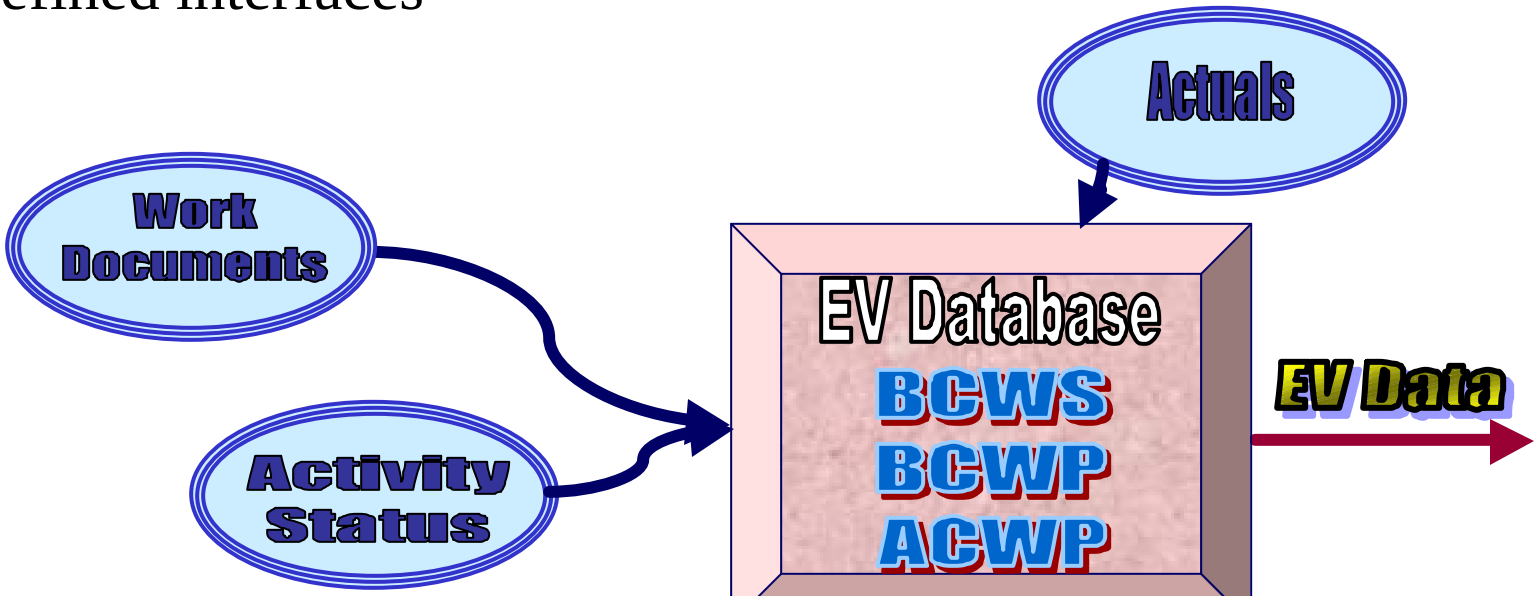
Meaningful Variance Analysis



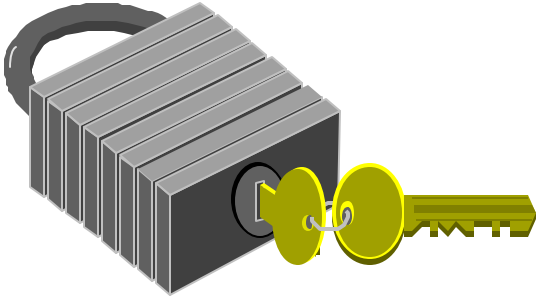
NADEP Jacksonville Earned Value

- ***Reliable Data***
  - Centralized EV data
  - Defined interfaces
  - Timeliness required to manage proactively



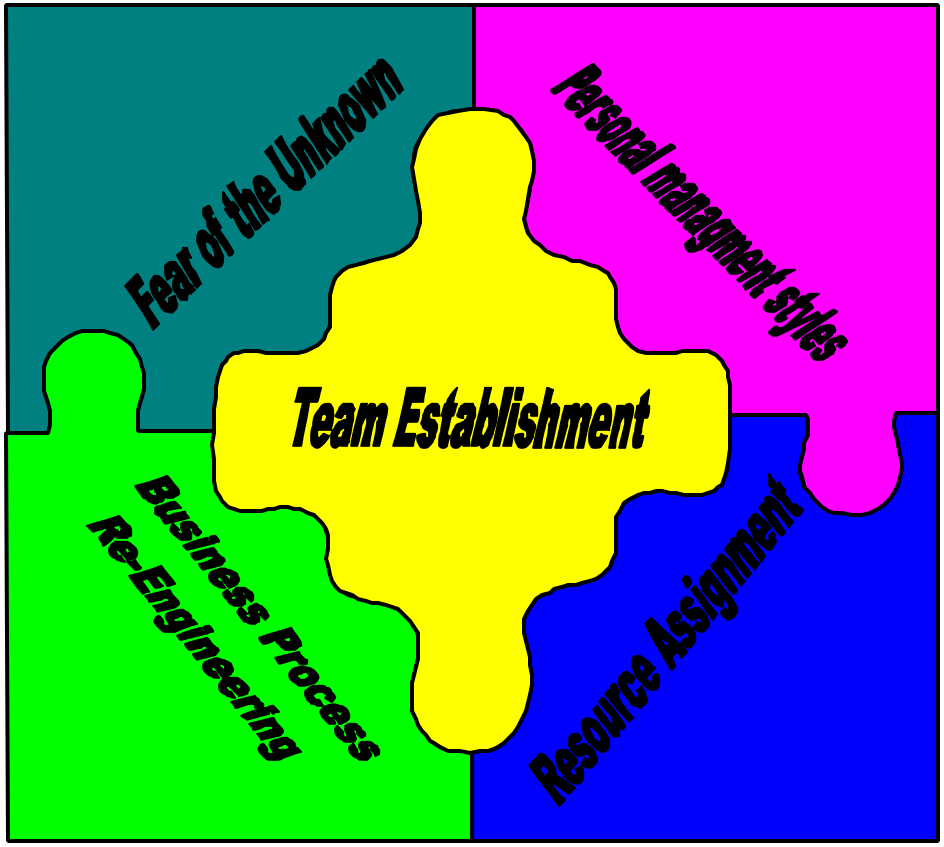
NADEP Jacksonville Earned Value

- ***Changed Organizational Culture***
  - Accepted management tool
  - Production floor buy-in
    - CPM Model
    - Variance Analysis at a meaningful level



NADEP Jacksonville Earned Value

- Evolving process
  - Fear of the unknown
  - Adapting to personal management styles
  - Business Process Re-Engineering
  - Resource assignment
  - Team establishment



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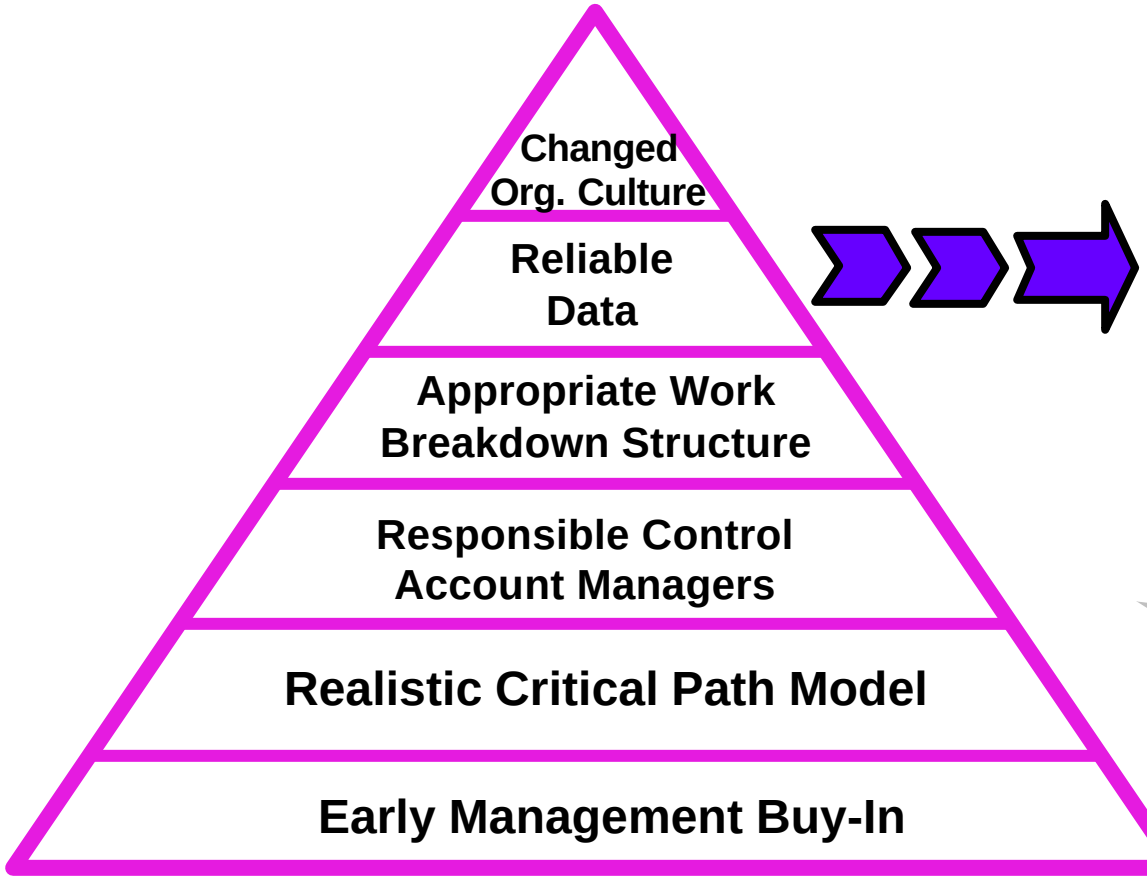

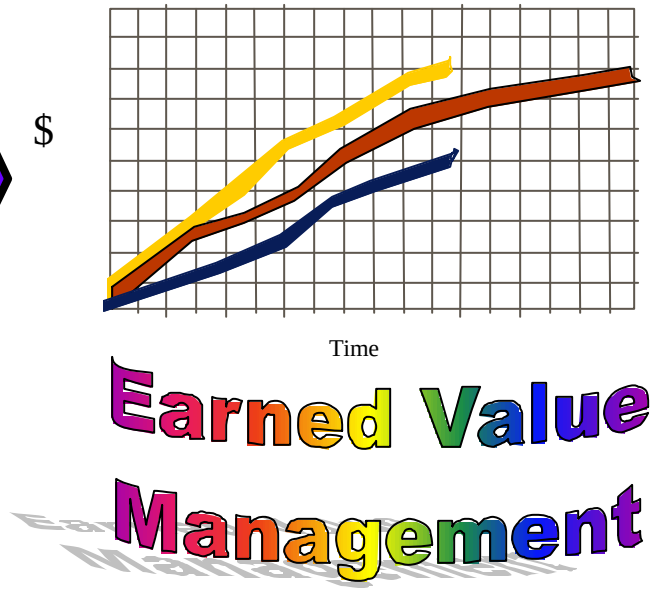

Earned Value Management

NADEP Jacksonville Earned Value