

# George E. Brown, Jr. Network for Earthquake Engineering Simulation The Balancing Act of Release Management

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NEES



PURDUE UNIVERSITY  
**Discovery Park**



# ISCS Simple Commerce Storefront and US Legacy Roadmap

Legend:

**Prioritized POR**

Pending Schedule Confirmation

Q3-07			Q4-07			Q1-08			Q2-08			Q3-08			Q4-08			Q1-09			Q2-09			Q3-09			Q4-09			Q1-10			Q2-10																																						
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR																																				
<b>Placeholder Projects</b>																														ASTA/PCI Compliance			ASTA/PCI Compliance			ASTA/PCI Compliance			ASTA/PCI Compliance																																
																														ISCS Reduced Capacity			ISCS Reduced Capacity			ISCS Reduced Capacity			ISCS Reduced Capacity																																
																														FY98 Direct Break/Fix																																									
ISCS Canada																																																																							
Sunset eStore-LAC Project																																																																							
Amazonas Baseline Upgrade (to support EMS Sunset)																																																																							
Sunset LA Extranet																																																																							
Voodoo PC ISCS Ph 1																																																																							
Voodoo PC ISCS Ph 2																																																																							
JIR Phase 1																																																																							
Sunset Piper Online Store (including EPP & AWS)																																																																							
Sunset APJ PiperLite SCD																																																																							
Sunset APJ PiperLite DNA																																																																							
Sunset APJ Direct Plus Japan																																																																							
SmartChoice Phase 1																																																																							
Omaha DC Shutdown																																																																							
ISCS Twin Configuration																																																																							
DCC - ISCS Global																																																																							
DCC LA Amazonas Platform																																																																							
DCC Move for SMB Web Store and Call Center																																																																							
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WW

Americas

APJ

EMEA

IT Transformation

# The 50,000 Foot View

Project Year Planning

Select Yearly Release Dates  
&  
Establish Release Schedule

Release Management

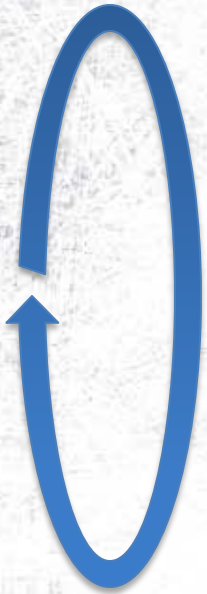
Determine Release Scope

Release Execution

Reqs-Design-Code-Test-Impl

Release Recovery

Warranty & Housekeeping



# Release Management: A Definition

## Release Management:

The discipline of managing software releases

## Release Management:



A logical combination of *strategic considerations*, *internal requirements*, *wishes*, and *resource capacity* targeted for a *specific time frame* and designed to achieve a *reasonable balance* of all components.

# Strategic Considerations

**Strategic Plan**

**Yearly Goals**

**Community Pulse**

**Prior Releases**





# Internal Requirements

What are these?

Non-trivial IT-initiated tasks that may or may not visibly benefit the end-user but should be incorporated into a Release

Hardware changes

Software changes

Data Management changes

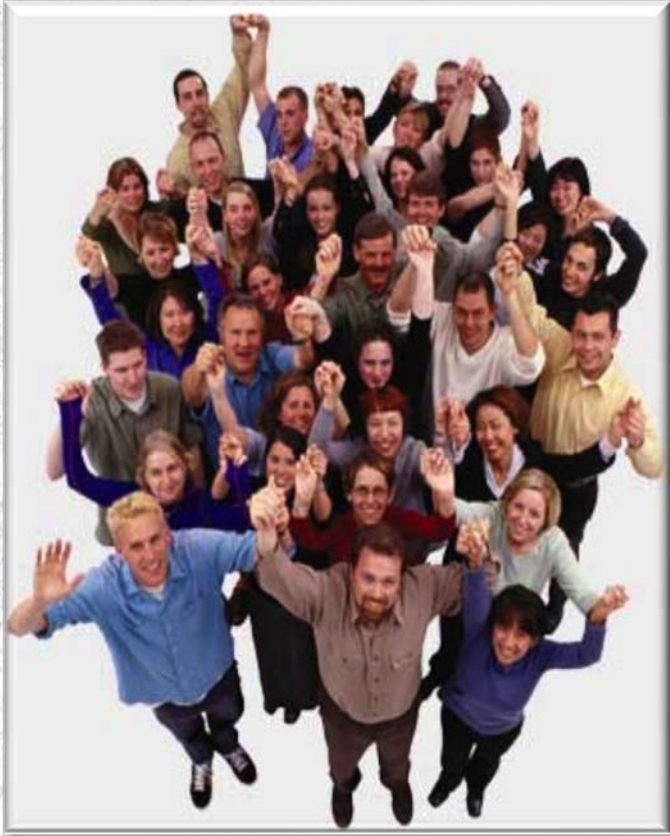


# Wishes





# Resource Capacity







# Capacity Considerations - People

- Percent Available
- Experience Level
- Skill Level
- Non-Working Days

Capacity Categories:

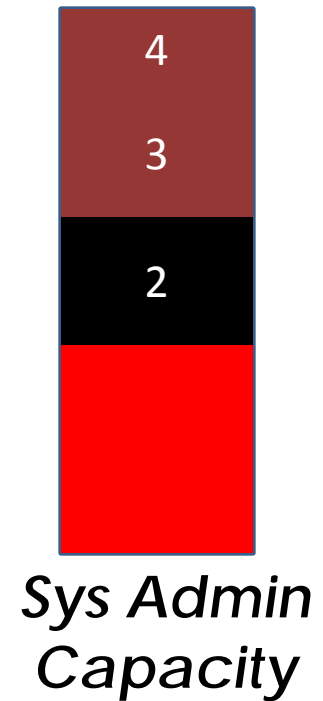
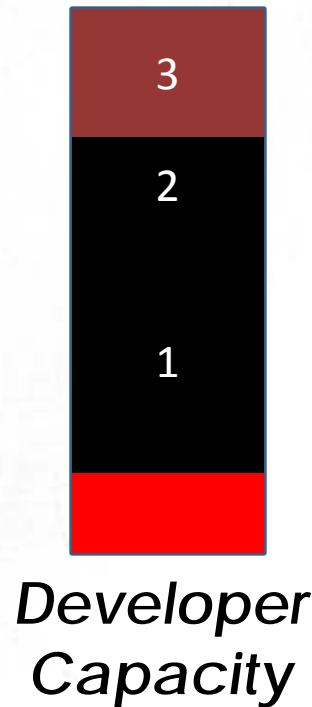
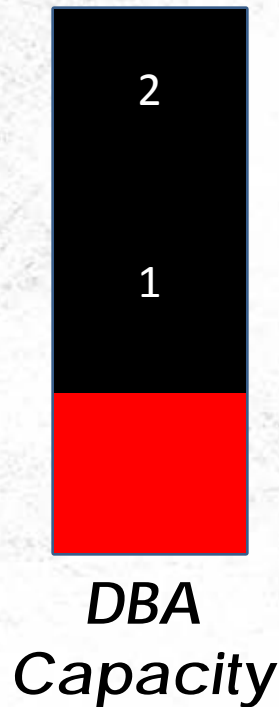
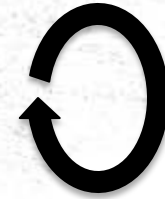
**Fixed Capacity**

**Variable Capacity**



# Putting It All Together

**Fixed Capacity**  
Prioritized Wish  
Internal Requirement



**Strategic Considerations**

# Parting Thoughts



- Experience-based Framework for Release Management
- Level of Precision varies by Organization
- Balance Examples

- Mid-Stream adjustments
  - Changes in Priority
  - Changes in Capacity
  - Distractions
  - Contingency Plans

