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## Developing a Second Generation Directive System Architecture

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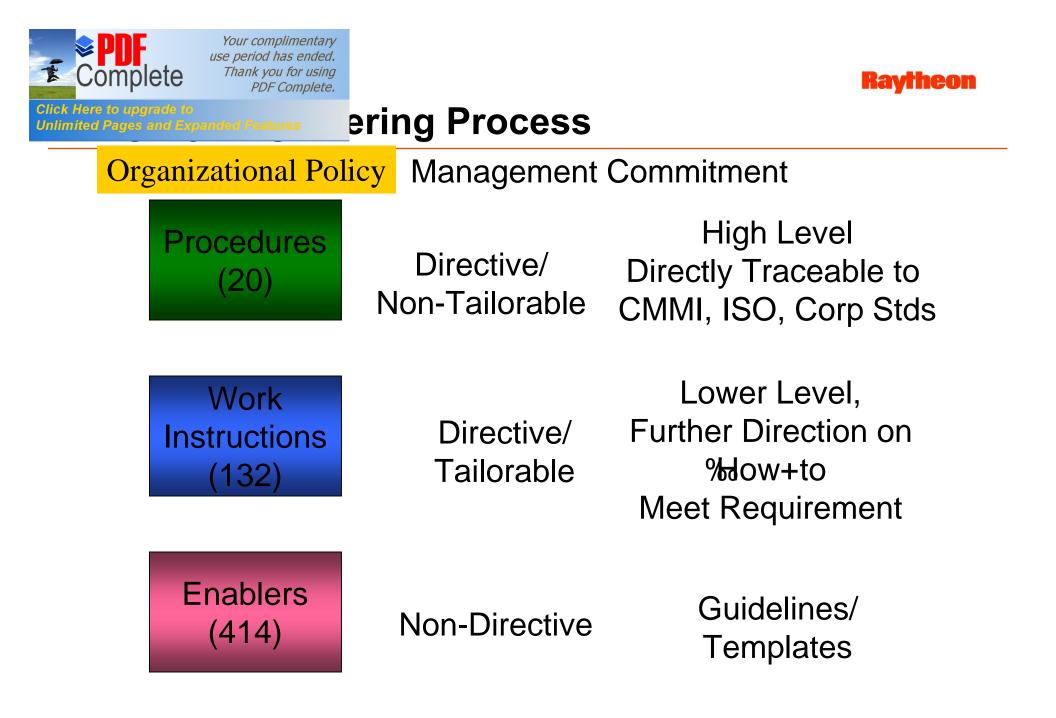
November 14, 2007





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- " Legacy directive systems
- <sup>7</sup> Limitations and Drivers for Change
- " Proposed Solutions
- "New Directive System
- "New System for Non-directive Guidelines and Templates
- <sup>7</sup> Lessons Learned



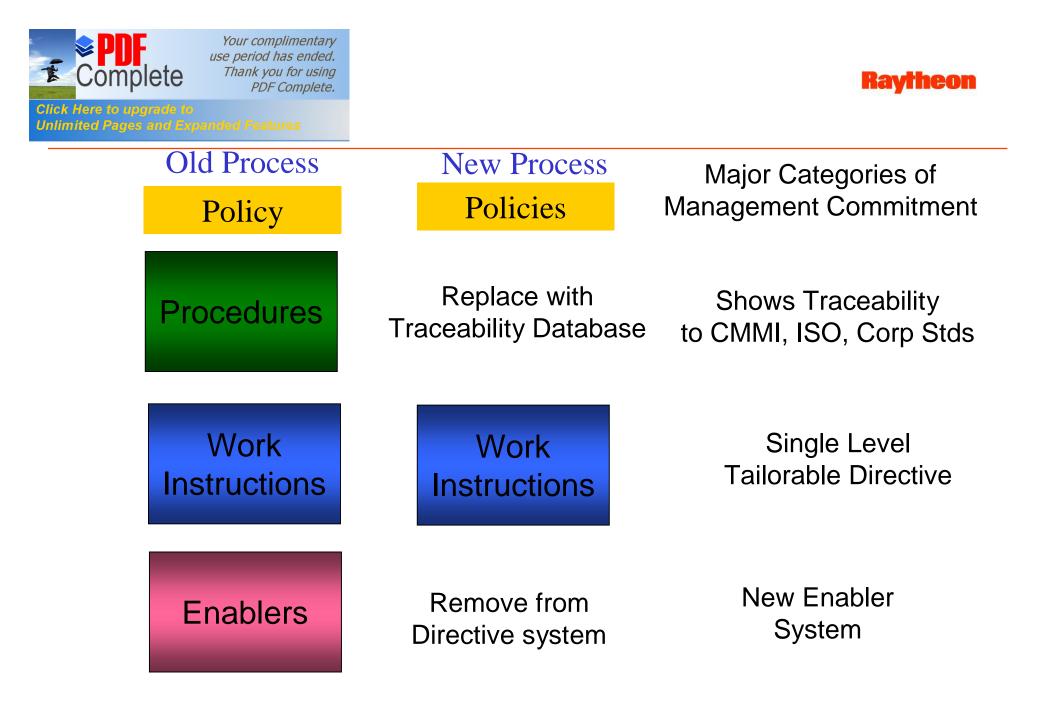


### I Concerns

- " Engineering only . other areas (e.g., HR) only have policies
  - . Systems are not compatible
- Two levels of directives . Procedures and Work Instructions
  - . Programs have trouble keeping track of multiple directives per process area
- <sup>7</sup> Non-Directive enablers in directive system
  - . Confusing during audits
  - . Adds unnecessary formality to many tools and templates
- <sup>7</sup> Not well integrated with corporate directives
  - . Developed prior to corporate directives becoming CMMI compliant
- " Large number of documents to manage (566)

#### Time for a change

HENTREDT





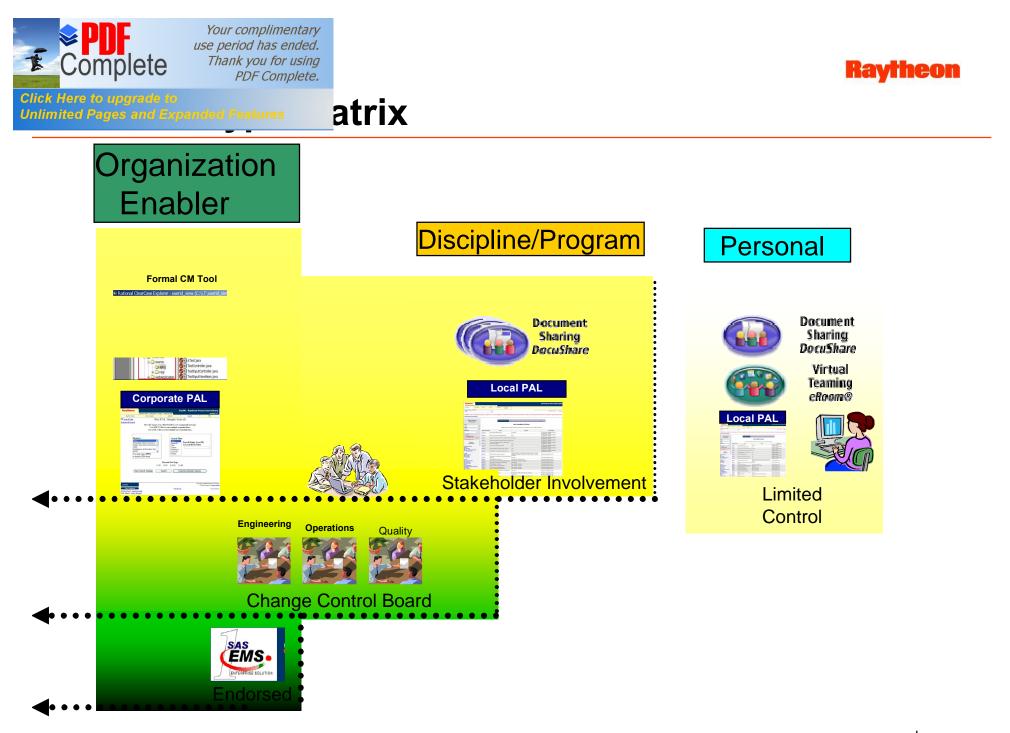
- <sup>7</sup> Compatible with other (less complex) Corporate Directive Systems
- <sup>"</sup> Single level of directives
  - . All Program Requirements in Work Instructions
  - . Less complexity . Keep short and concise
- <sup>"</sup> Non-Directive enablers outside of directive system
  - . Eases maintenance
- <sup>"</sup> Better integration with corporate directives, Industry Standards and Local Standards
  - . Traceability Database
- <sup>7</sup> Reduced number of documents to manage (152)
  - . Removal of 414 Enablers





- Transfer Functional DisciplinesqEnablers to local control
- " process simplification
  - reduce bureaucracy
  - reduce costs
  - " improve cycle time

#### **More Useful Enablers**





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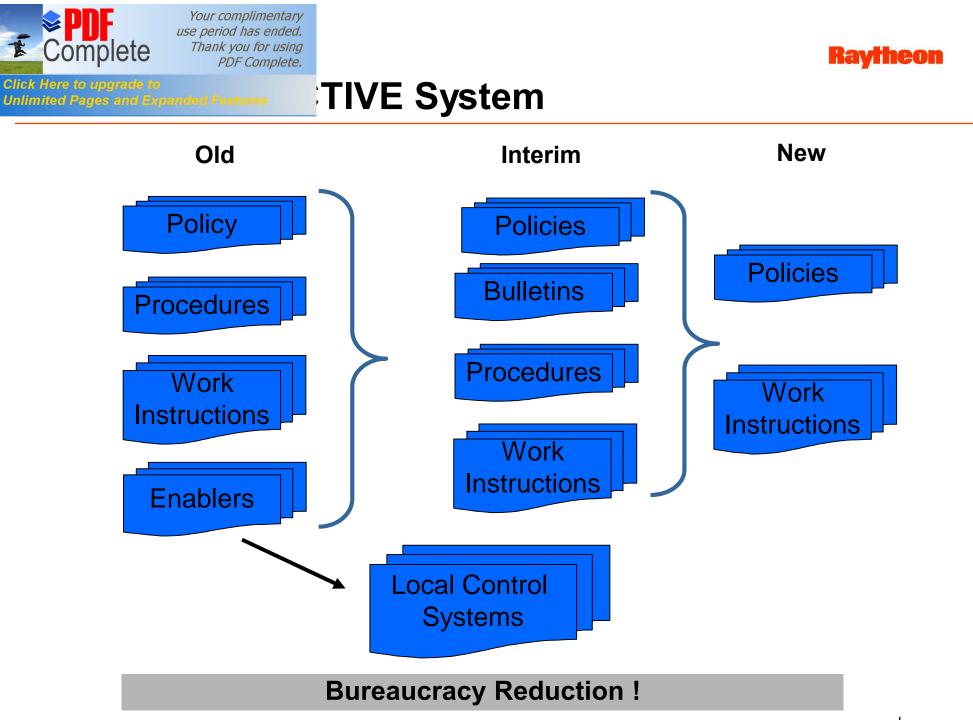
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Туре	<u>1</u>	<u>2</u>	<u>3</u>
Control	Repository	Function/ Informal	Formal
	Control	or	Organization/
		Local CCB	Corp. Level CCB
Repository	Docushare	Docushare	Clearcase
	Local PAL	Local PAL	Corp. PAL
			(Endorsed)
Delivery	Repository	Web Page	EMS User Views
	Search	(Functional,	Corp. Process
		Program, Dept,	·
		Site) EMS User	
		Views	
Relationship to	None Expected	Could be .	Yes
Directives		if related to WI	
		Requirement	

**Three Levels of Control Defined for Enabler Categories** 







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- "Headed Toward Single Directive System
- "Single Level of Management Commitment
- <sup>"</sup> Single Level of Directives
- "Simplified System Keep it Short and Simple!
- "Reduction in Directive System Size (414 Enablers)
- "Enhanced Enablers in Separate System
- Change Takes Time



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# Questions???