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Engineer SCR Process Review

JDEP CM Team
28 September 2004

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Agenda

- **The Test Order**
- **Engineer SCR Overview**
- **Engineer Process Flowchart**
- **CCB Internal vs. External**
- **Assessing Priority – Anomaly (ANO)**
- **Assessing Priority – Enhancement (ENH)**
- **Rewards**
- **Questions/Comments/Concerns**

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The Test Order

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Engineer SCR Overview

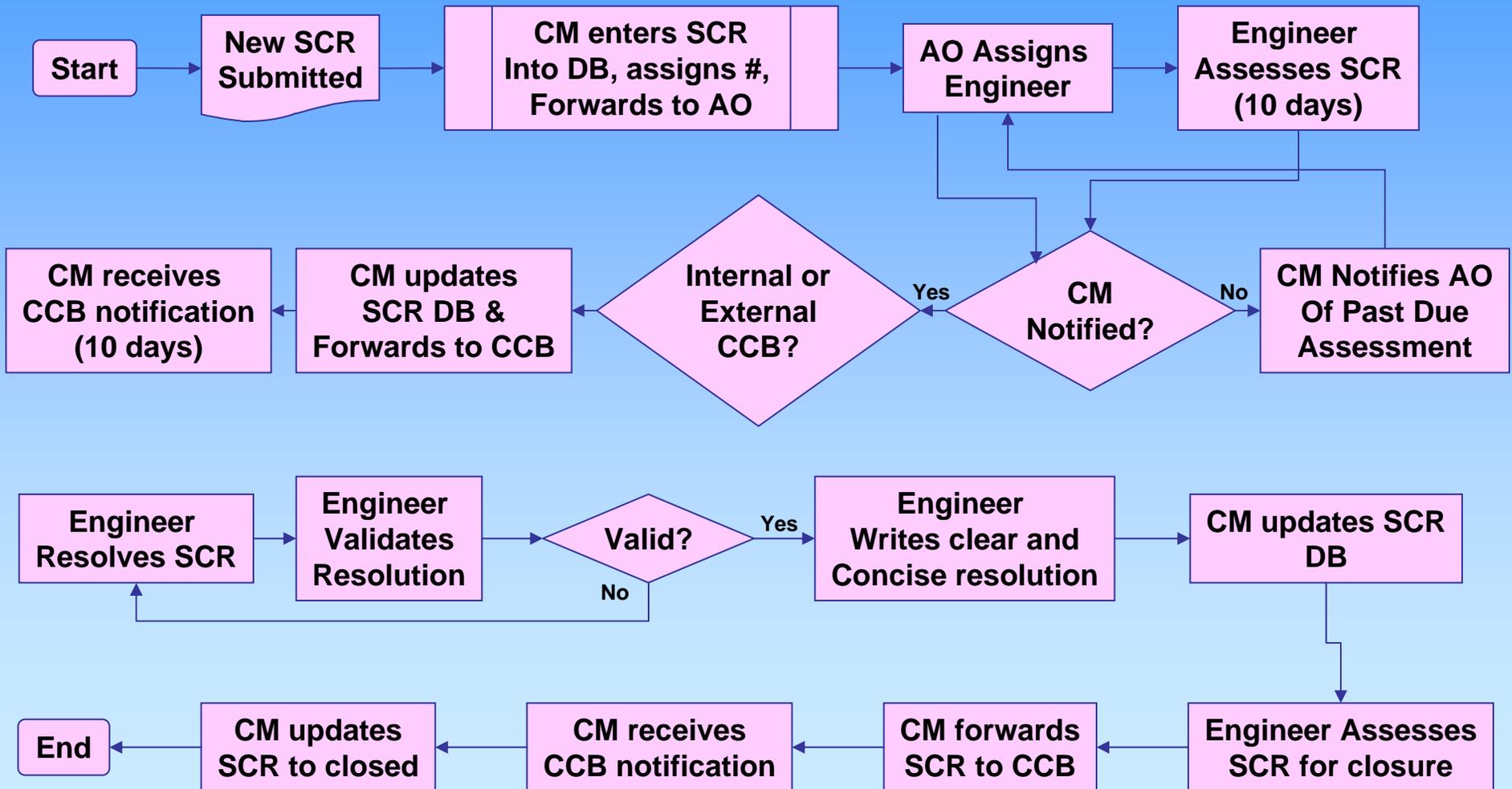
- **Requirements Management**
- **Each SCR will have an assigned Engineer**
 - Engineer will assess SCR according to the Anomaly or Enhancement Priority Definitions/Guidelines as stated in the JITC CMP
 - Engineer will resolve SCR and test for validity
 - Once SCR resolution has been validated by Engineer, the Resolution tab of the database will be updated with clear and concise details about resolution.
 - Engineer will assess SCR for closure

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Engineer Process Flowchart



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CCB: Internal vs. External

- **Internal CCB**

- Participation remains within the JITC
 - Government AOs
 - JDEP CM
 - Engineers
- E-CCB or formal CCB meeting
- For JITC JDEP Lab SCR

- **External CCB**

- Participation is by JITC and outside agencies
 - Event Coordinators
 - Test Directors
 - Event Participants
 - Internal CCB Members
- E-CCB, Telecon, formal meeting, VTC, etc.
- For Event SCR

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Assessing Priority – Anomaly (ANO)

ANO Priority	Definitions/Guidelines
High	<p>A problem that does one of the following:</p> <ul style="list-style-type: none">• Prevents the accomplishment of an operational mission essential capability specified by requirements.• Prevents the operator's accomplishment of an operational or mission essential capability.• Jeopardized personnel safety.• Adversely affects the accomplishment of an operational or mission essential capability specified by requirements so as to degrade performance, and for which no alternative work-around solution is known.• Adversely affects the operator's accomplishment of an operational or mission essential capability specified by requirements so as to degrade performance, and for which no alternative work-around solution is known.
Medium (MED)	<p>A problem that does one of the following:</p> <ul style="list-style-type: none">• Adversely affects the accomplishment of an operational or mission essential capability specified by requirements so as to degrade performance and for which an alternative work-around solution is known.• Adversely affects the operator's accomplishment of an operational or mission essential capability specified by requirements so as to degrade performance and for which an alternative work-around solution is known.
Low	<p>A problem that does one of the following:</p> <ul style="list-style-type: none">• Is an operator inconvenience or annoyance and which does not affect a required operational or mission essential capability.• All other errors.

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Assessing Priority – Enhancement (ENH)

ENH Priority	Definitions/Guidelines
High	<ul style="list-style-type: none"> • A change to the operational environment forces changing the system design which, if not accomplished without delay, may seriously compromise national security. • To correct a hazardous condition introduced by changes to the operational environment, which may result in fatal or serious injury to personnel or in extensive damage or destruction of equipment. A hazardous condition usually will require withdrawing the item from service temporarily, or suspension of the item operation, or discontinuance of further testing or development, pending resolution of the condition.
Medium (MED)	<ul style="list-style-type: none"> • The change has significant impact on the operational mission, i.e., throughput or outputs. • A change to the operational environment forces changing the system design which, if not accomplished expeditiously, may seriously compromise the mission effectiveness. • To correct a potentially hazardous condition introduced by changes to the operational environment, the uncorrected existence of which could result in injury to personnel or damage to equipment. A potentially hazardous condition compromises safety and embodies risk, but within reasonable limits, permitting continued use of the affected item provided the operator has been informed of the hazard and appropriate precautions have been defined and distributed to the user. • To affect an interface change which, if delayed would cause a schedule slippage or increased cost. • To affect a significant life cycle cost savings to the Government through value engineering or through other cost reduction efforts where expedited processing of the change will be a major factor in realizing lower costs.

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Assessing Priority – Enhancement (ENH)

ENH Priority	Definitions/Guidelines
Medium (MED)	<ul style="list-style-type: none">• When caused by a change to the operational environment or a change to the software design requirements, to correct unusable output critical to mission accomplishment.• When caused by a change to the operational environment or a change to the software design requirements, to correct critical files that are being degraded.• To affect a change in operational characteristics to implement a new or changed regulatory requirement with stringent completion date requirements issued by an authority higher than that of the functional proponent.
Low	<ul style="list-style-type: none">• Improves the level of support to the Analyst.• Improves the Analysts performance.• Improves system throughput.• Ruggedizes the system in that it makes the system less prone to analyst mistakes.• All other errors.

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Rewards

- Shows progress
- Shows lab accomplishments
- Reduces repeat “Lessons Learned” – which will move the lab out of Corrective Action mode and into Pro-active mode
- Once implemented, can switch to “Fast-Track” – giving Engineers authority to assess, resolve, validate, implement, and close SCRs without outside approval – significantly speeding up the process

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Questions/Comments /Concerns

- **Awaiting JITC-wide SCR DB implementation**
 - **No current Engineer access to DB**
 - **Changes have to be routed to CM for updates**
 - **Current Work-Around is E-mail**
- **Current SCR status:**
 - **No Current SCRs**

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