GL 2008-01 Resolution Projected Out Look

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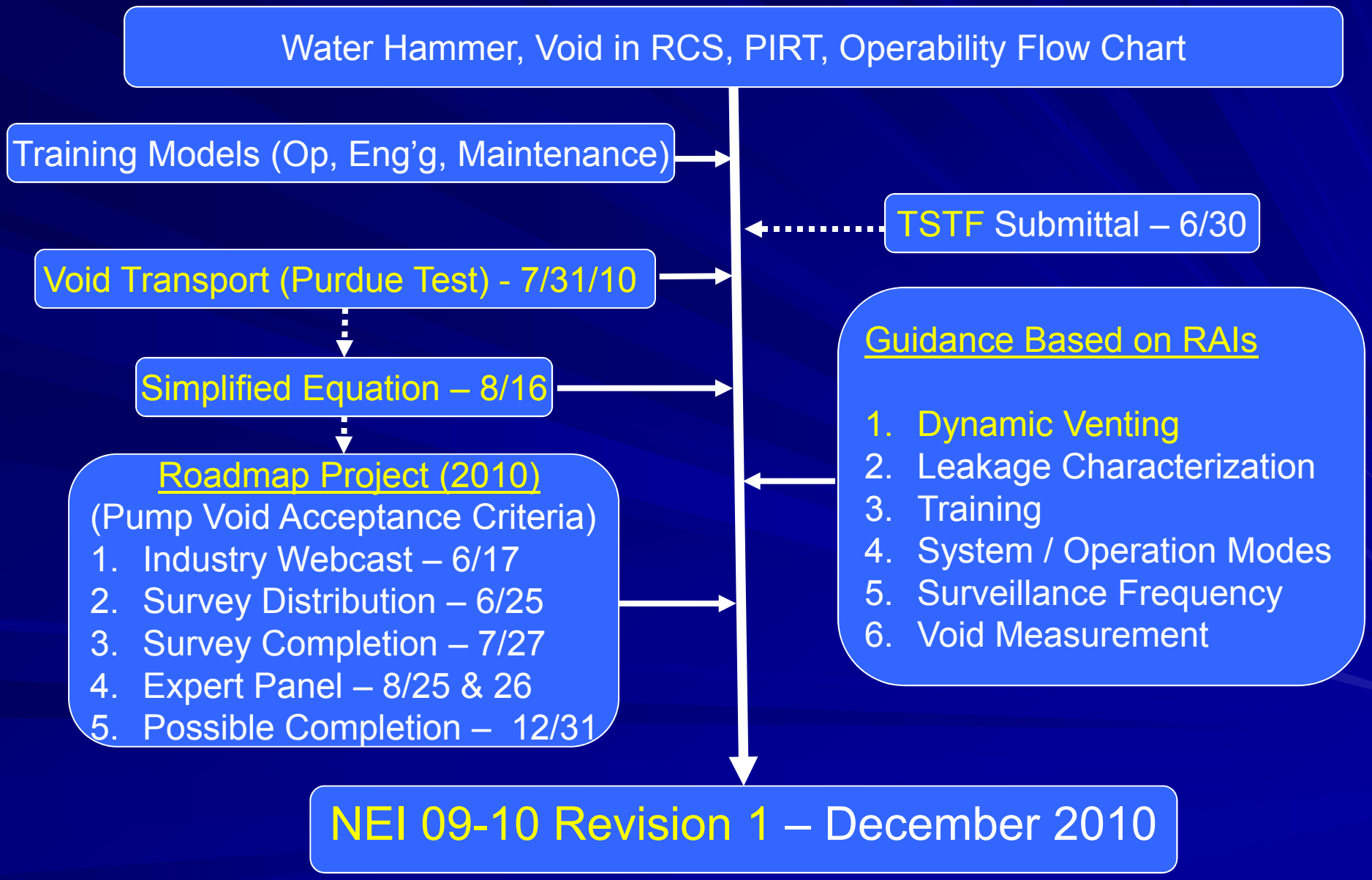

Guidance Based on RAIs

Topic	Where / Plan to Address
Dynamic Venting	Gas Transport Report
Pump Void Acceptance Criteria	Simplified Equation / Roadmap
Leakage Characterization	NEI 09-10 Rev. 1
SI Flow Delay Due to Gas Voids	NEI 09-10 Rev. 1 OG-08-293 / BWROG-09034
PUMP NPSHr	APC letter / GSI-191
Training	INPO

Guidance Based on RAIs (con't)

Topic	Where / Plan to Address
System / Operation Modes	NEI 09-10, Rev. 1
Surveillance Frequency	NEI 09-10, Rev. 1
Void Measurement	NEI 09-10, Rev. 1
Vortex	WCAP-11916 on Mid-Loop
Physical Pump Monitoring	NEI 09-10, Rev. 1
TSTF	

Possible Dynamic Venting Guidance

- Flush Out Most of Gas Pockets
- $T = \Phi * (V\text{-system} / Q)$

Where **T** : The minimum time required to flush out voids
V-system : Downstream system water volume
Q : Dynamic flow rate
Φ : Number of sweeps of system as function of Fr.

No credit for dynamic venting for Fr less than 0.8

$\Phi = 20$ for $0.8 \leq Fr < 1.0$
$\Phi = 10$ for $1.0 \leq Fr < 1.2$
$\Phi = 5$ for $1.2 \leq Fr < 1.5$
$\Phi = 3$ for $1.5 \leq Fr < 2.0$
$\Phi = 2$ for $2.0 \leq Fr$