Subcontractor Electrical Safety Management (SESM)

Working Group

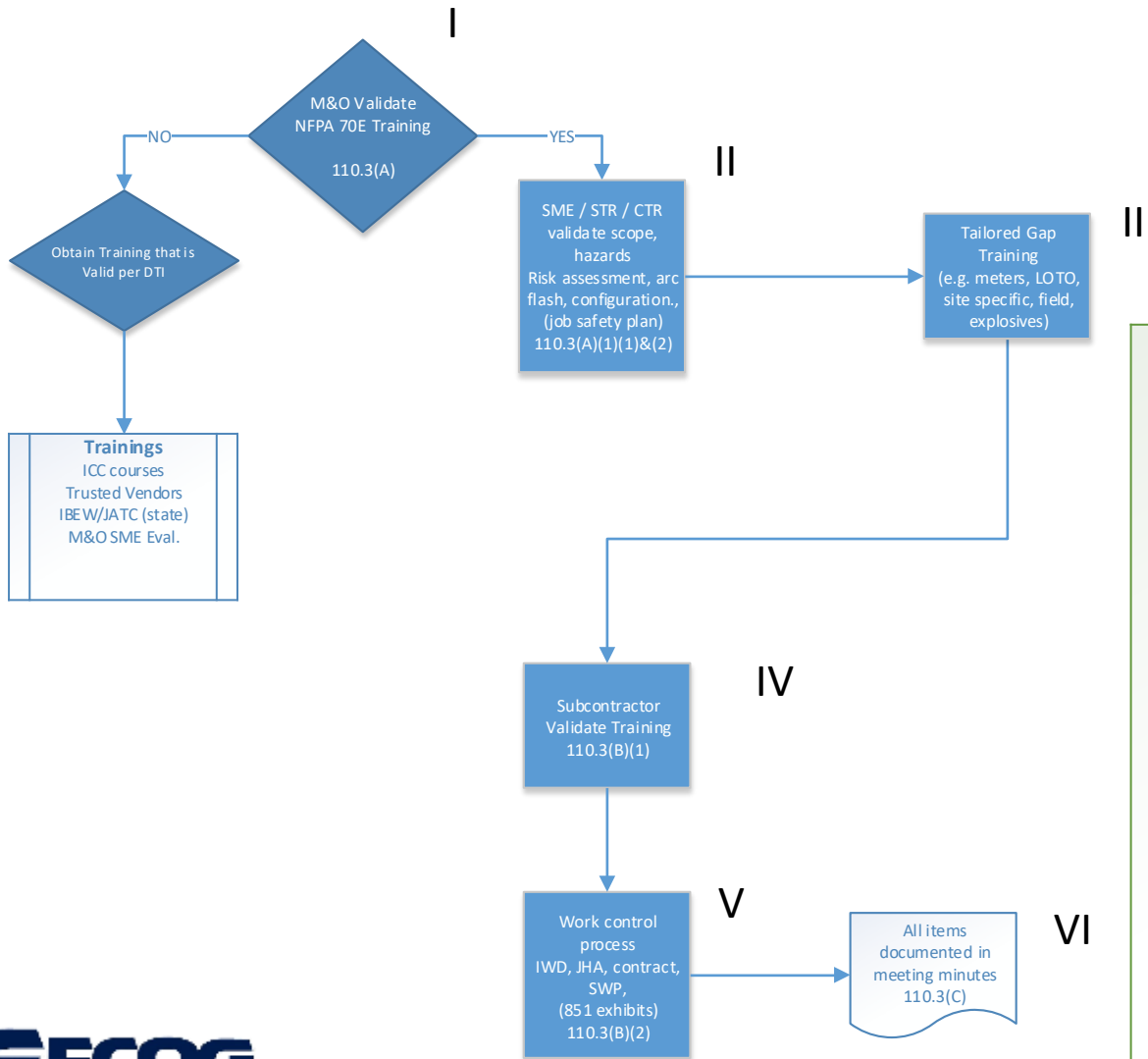# Participants

- **David Inskeep**   **INL**
- **Ron Gough**   **KCP**
- **Don Bourcier**   **LANL**
- **Bobby Gray**   **Hoydar Buck**
- **Heath Garrison**   **NREL**
- **Scot Winningham**   **ORNL**
- **John Dierkej**   **Schneider Electric**
- **Jeff Williams**   **NNSA/LAFO**
- **Jim Watson**   **LLNL**

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Process for Subcontractor / Host Validation

NFPA 70E 110.3

I

M&O Validate
NFPA 70E Training

110.3(A)

NO → Obtain Training that is Valid per DTI

YES →

II

SME / STR / CTR validate scope, hazards
Risk assessment, arc flash, configuration.,
(job safety plan)
110.3(A)(1)(1)&(2)

III

Tailored Gap Training
(e.g. meters, LOTO, site specific, field, explosives)

Trainings
ICC courses
Trusted Vendors
IBEW/JATC (state)
M&O SME Eval.

IV

Subcontractor
Validate Training
110.3(B)(1)

V

Work control process
IWD, JHA, contract, SWP,
(851 exhibits)
110.3(B)(2)

VI

All items documented in meeting minutes
110.3(C)

NFPA 70E 2015 – 110.3
Host and Contract Employers' Responsibilities.

(A) Host Employer Responsibilities.
(1) The host employer shall inform contract employers of the following:
(1)Known hazards that are covered by this standard, that are related to the contract employer's work, and that might not be recognized by the contract employer or its employees
(2) Information about the employer's installation that the contract employer needs to make the assessments required by Chapter 1
(2) The host employer shall report observed contract employer–related violations of this standard to the contract employer.
(B) Contract Employer Responsibilities.
(1)The contract employer shall ensure that each of his or her employees is instructed in the hazards communicated to the contract employer by the host employer. This instruction shall be in addition to the basic training required by this standard.
(2)The contract employer shall ensure that each of his or her employees follows the work practices required by this standard and safety-related work rules required by the host employer.
(3)The contract employer shall advise the host employer of the following:
(1)Any unique hazards presented by the contract employer's work
(2) Hazards identified during the course of work by the contract employer that were not communicated by the host employer
(3)The measures the contractor took to correct any violations reported by the host employer under 110.3(A)(2) and to prevent such violation from recurring in the future
(C) Documentation. Where the host employer has knowledge of hazards covered by this standard that are related to the contract employer's work, there shall be a documented meeting between the host employer and the contract employer.

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SESM Deliverables I (70E vetting)

- **Trusted Vendors List:**
  - Shared folder hosted by DTI/NTC
  - Maintained by EFCOG ESTG WG3
  - Examples include:
    - e-hazard
    - Jim Phillips/Brain Filler
    - JNATC/IBEW (State approved) 70E training program plus EFCOG ESTG WG3 vetting
      - e.g. DOE site-affiliated local chapters

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SESM Deliverables I con't

- **Consider leveraging PICS/Avetta (or other auditing entity)**
  - Avetta "Simplified sub-contractor prequalification and compliance management"
- **Consider an evaluation form/scorecard**

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SESM Deliverables II (STR validation)

- **Consider a "scoping list" that gets signed by ESO/ ISP/ STR**

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- **Consider a "training validation checklist", a tool that the STR would use**

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SESM Deliverables V (Work Control Process)

- **Contract rep and ESO/SME verification**
  - ○ ORNL "Scot's" checklist

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