



National Training Center

Safety Training Program

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Director of Safety Training





Mission Assignment for Safety at the NTC



- Secretary of Energy Memorandum of November 5, 2004

Formal designation of NTC as the
“Center of Excellence in Security and
Safety Professional Development for
the Department of Energy”



NTC Mission Statement



NTC supports maintenance and advancement of DOE safety and security competencies and professionalism by:

- Establishing training standards
- Developing training content and training courses
- Delivering training via a variety of approaches and methods



Scope of the NTC STP



The scope of the STP encompasses all safety professionals employed by DOE/NNSA including those at nuclear and non-nuclear facilities.

The program will focus initially on the Federal workforce at nuclear facilities; however, the federal workforce at non-nuclear facilities and contractor participation will not be precluded and is expected to increase significantly as the Program matures.



Safety Professionals



Technical Qualification Program

NNSA	457
EM	484
Others	405
Total	1346

**Non -TQP ?
Contractors?**

*Reference Federal Technical Capabilities Panel report
for 9/25/07



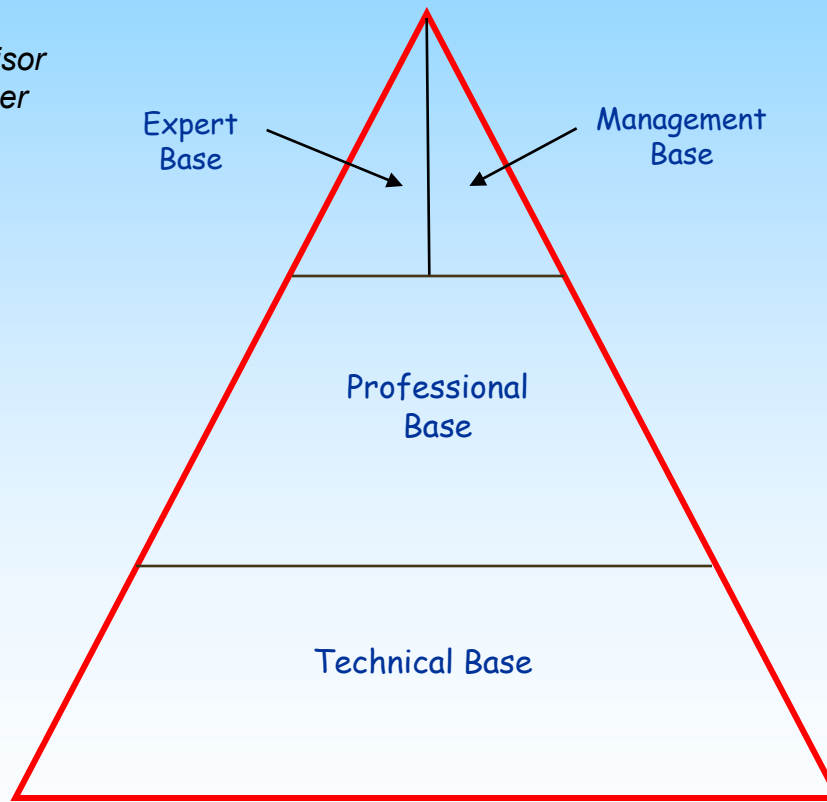
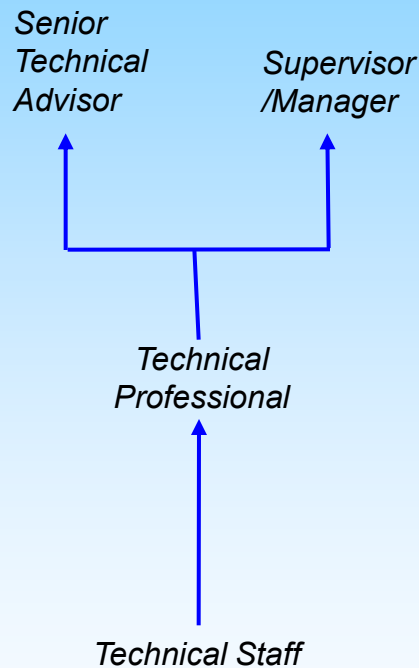
Strategic Goals



- Technical Professional Career Development Program (TPCDP) Curriculum
- Senior Technical Safety Manager (STSM) Institute.
- Serve as Clearing House for Safety Training
- Coordinate with other training activities (SBA, HAMMER, etc.)
- Fast track process using available courses to address urgent needs
- Recruit instructional cadre possessing appropriate experience



Technical Professional Career Development Program (TPCDP)



- Nuclear Executive Leadership Training
- Senior Executive Service CDP
- Prospective Site Managers Training

- Professional and Personal Leadership Development
- Safety Profession Competencies
- Multiple FAQs
- Supervisory Training
- Senior Technical Safety Manager

- General Technical Base
- Functional Area Standard
- Site Specific Standards



STSM Institute



- Overview
 - STSM Overview*
- Working Level knowledge
 - Conduct of Operations*
 - Safeguards and Security*
 - Environmental Standards, Laws , and Regulations*
 - Project Management*
 - Safety Basis Overview *
 - Integrated Safety Management
 - Emergency Management
 - Maintenance Management
 - Problem Identification, and Decision Making
 - Technical Contract Management
- Applications
 - STSM Applications Practicum



Safety Basis Academy



First Priority

- DOE SB Requirements Integration/Overview
- Hazard Analysis
- DOE-STD-3009
- TSR
- System Engineering
- Healthy Physics Dosimetry
- USQ

Second Priority

- Accident analysis (Five Factor Formula)
- Dispersion Modeling
- Fire Modeling
- Structural/Seismic/Natural Phenomena
- Criticality
- Human Factors

Third Priority

- Explosive Modeling
- QA/SQA
- Configuration Management
- MELCOR



Currently Available Courses



- Safety System Oversight –Duties and Responsibilities
- Safety Systems Oversight - Assessment
- General Technical Base (Computer Based on OLC)
- General Technical Base (Classroom)
- Senior Technical Safety Manager Overview
- Introduction to Safeguards and Security
- Conduct of Operations (Working Level Knowledge)
- Unreviewed Safety Questions
- Project Management
- Environment Laws and Regulations
- Pro-force Safety Fundamentals
- Leadership Development Institute
- Human Performance Improvement
- Accident Investigation
- Operational Readiness Reviews
- Nuclear Executive Leadership Training
- Evaluator Training
- DOE Contractor Oversight Awareness
- Electrical Safety Awareness

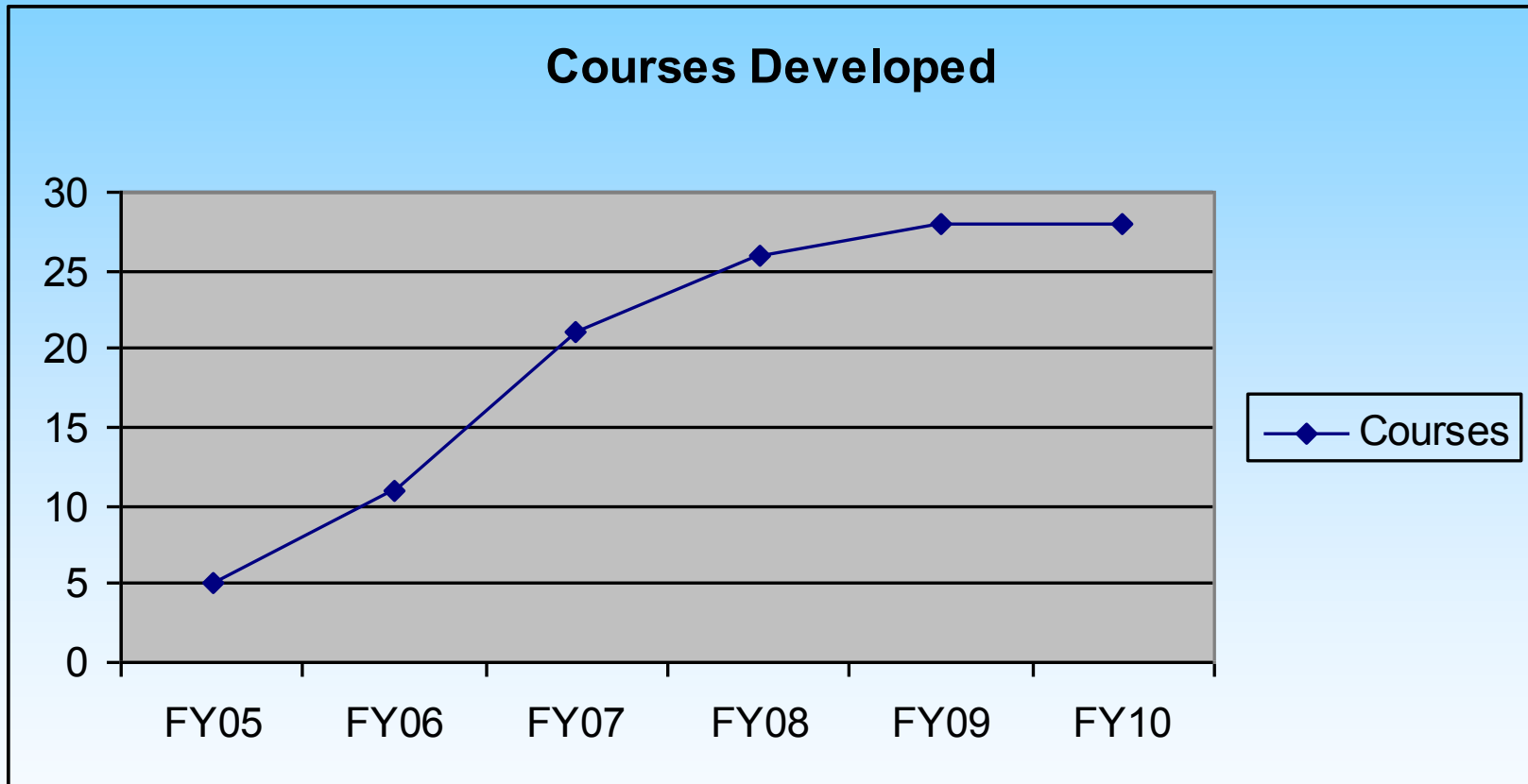


Courses Under Development

- Integrated Safety Management Fundamentals
- STSM Applications
- DOE Oversight Implementation (226)
- Emergency Management (WBT)
- Electrical Safety
- Risk Management
- Worker Safety and Health (851)
- Laser Safety

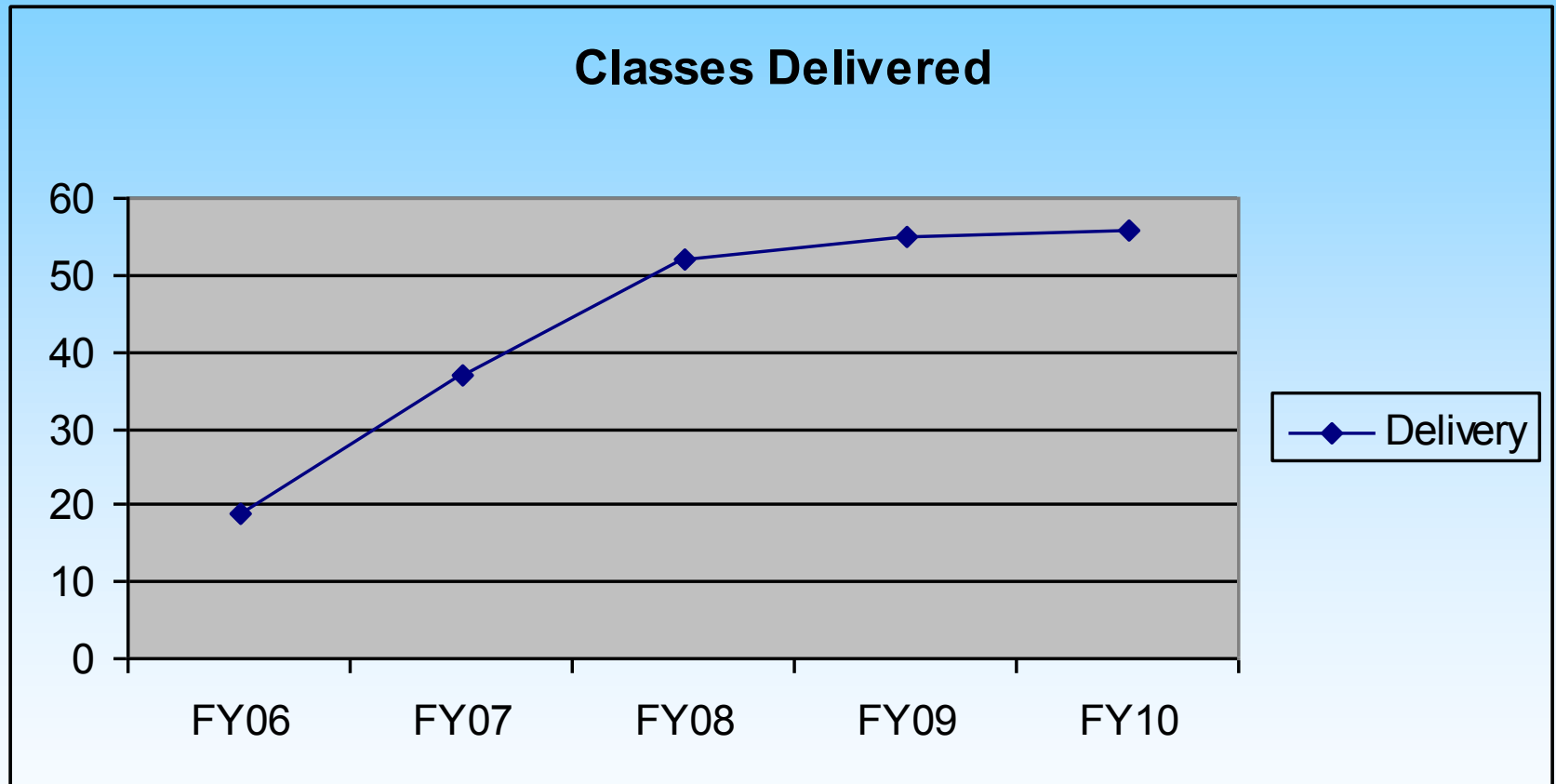


NTC Courses Developed



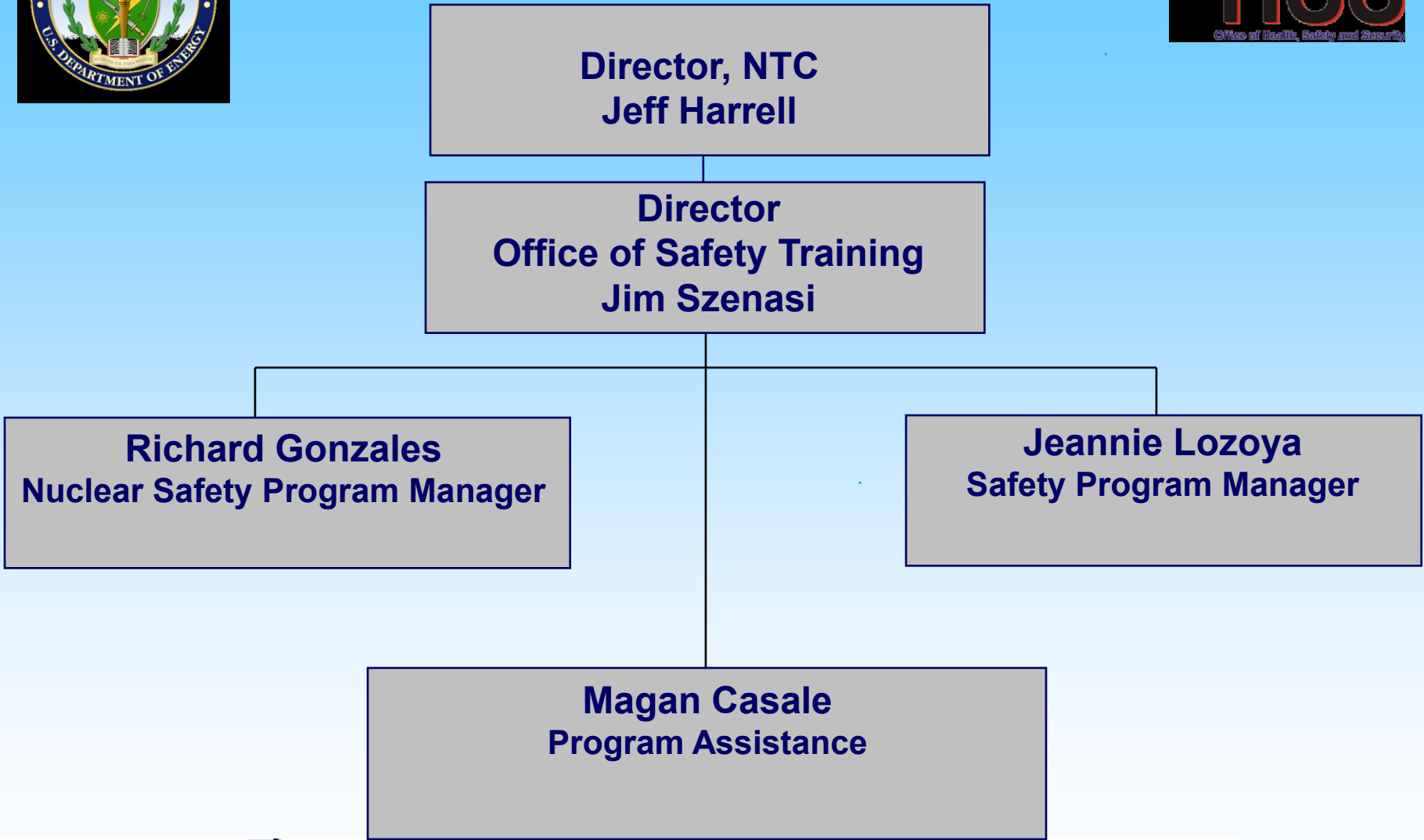


Number of Classes Delivered



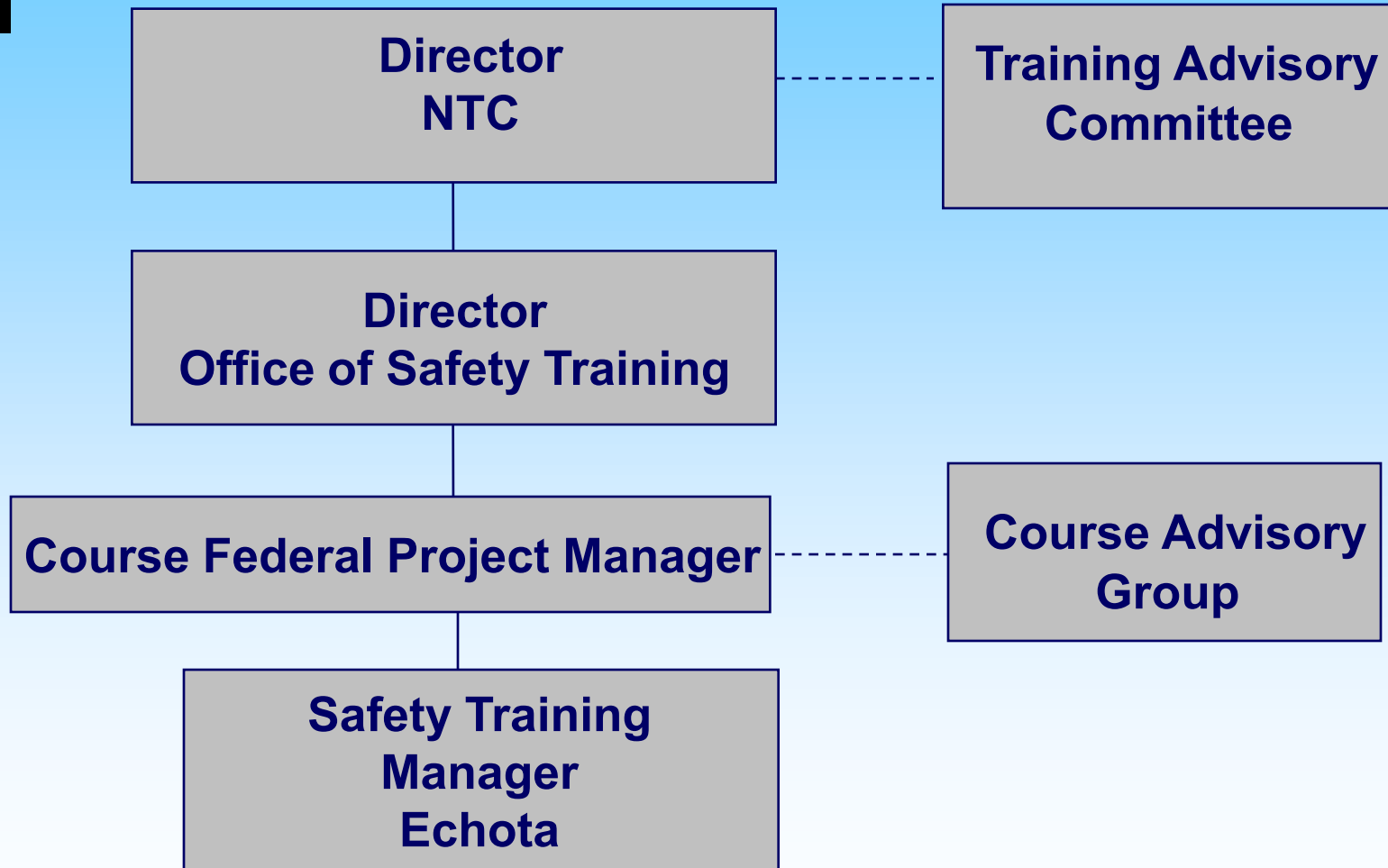


Organizational Chart





Safety Training Program





Thank You



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