
DOE Order 420.2B, *Safety of Accelerator Facilities*, Revision Process to DOE Order 420.2C

DOE 2011 Accelerator Safety Workshop

September 20 – 22, 2011

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U.S. DEPARTMENT OF
ENERGY

Office of
Science

DOE Order 420.2B to 420.2C

- **Deputy Director of Field Operations (DDFO) charge memo, April 24, 2009**
 - Provide clear roles, responsibilities, and requirements for safe operations
 - Not duplicate other laws, Orders, or requirements
 - Develop consistent with DOE Order 251.1C, *Departmental Directives Program*

- **“Gap Analysis” conducted, Position Paper prepared and coordinated with Accelerator Community at Brookhaven Workshop, August 2009**

- **Presentation to SC Leadership with Recommendation to Keep the Order and Revise, November 2009**
 - Recommendation Accepted
 - Revision Process Started



Process

- **Mandate to Meet the Deputy Secretary End-State Vision for Safety Reform**
- **Organized a Team of Subject Matter Experts to Develop a “Draft” Order**
 - SC Accelerator Community (Feds and Contractors)
 - Broader Community (NNSA, GC, and NE)
- **Order Revisions Included:**
 - Accelerator Definitions
 - Approval Authorities
 - Minimum Program Requirements
 - Exemptions/Equivalencies
 - Removed Duplications
- **Conducted a one Week Review and Writing Workshop, Argonne, May 2010. Goal 80% agreement in changes and content.**
- **Draft Order Presented to the DOE Accelerator Community at DOE 2010 Accelerator Safety Workshop, SLAC, August 2010. Goal to get near 90% agreement.**



Administrative/Procedural Steps

■ Formal Revision Process Requires

- Justification Memo (JM)
- Directives Review Board (DRB)
- Formal Revision of the Order (RevCom)

■ JM Prepared for Director, Office of Science (SC-1) Consistent with the Recommendation and “Drafted Order”

- JM Signed by SC-1 on September 9, 2010
- DRB Discussion on JM on September 23, 2010

■ DRB

- DRB Authorized Revision to the Order
- Order Placed into RevCom for Review and Comment

■ RevCom

- Schedule Allowed for 150 Days to Complete



DOE Order 420.2C Approval Process

- **Special DRB Meeting, May 12, 2011**
 - Approved the Order to go forward to the Deputy Secretary for Signature
- **Meeting with MA, NNSA, and SC to Resolve Remaining Issues, June 21, 2011.**
- **JM and Order Approval Package Revised and Resubmitted, July 11, 2011.**
- **DOE Order 420.2C, *Safety of Accelerator Facilities*, Approved by Deputy Secretary, July 21, 2011.**



Summary

- **SC in Collaboration with the Accelerator Community Provides the Leadership for the Department in Accelerator Safety**
- **All DOE Sites that have Accelerators have Participated in the Review and Comment Effort Related to the Draft Order**
 - Argonne, Berkeley, Brookhaven, Fermi, Idaho, Livermore, Los Alamos, Oak Ridge, Sandia, SLAC, and Thomas Jefferson
- **Our Efforts have provided us with what we Need in an Order**
 - A Good Sound Technical Basis
 - Definitions, Roles, Responsibilities, Exemptions/Equivalencies, and Requirements for Safe Operations
 - Not to Duplicate Other Laws, Orders, or Requirements
 - Collaboration efforts have helped to Educate, Clarify, and build Consensus

