

TABLE OF CONTENTS

210 SYSTEM LIST

RECORD OF REVISIONS

Rev	Date	Description	POC	OIC
0	9/26/01	Initial issue.	Tobin H. Oruch, <i>FWO-SEM</i>	Mitch S. Harris, <i>FWO-SEM</i>
1	2/9/04	Extended to new systems, changed “facility generic” list title to facility and program, changed FMS to BAS, added FCS.	Tobin H. Oruch, <i>FWO-DO</i>	Gurinder Grewal, <i>FWO-DO</i>
2	8/16/04	Common Systems List now Att 1, does not require ESB meeting for approval.	Tobin H. Oruch, <i>FWO-DO</i>	Gurinder Grewal, <i>FWO-DO</i>
3	10/27/06	IMP and ISD number changes based on new Conduct of Engineering IMP 341. Minor administrative changes.	Tobin H. Oruch, <i>CENG</i>	Kirk Christensen, <i>CENG</i>
4	6/10/09	For Att 1, eliminated separate acronym and name sort tables, began webposting xls file; additions no longer summarized in an Att 1 Revision Record.	Tobin H. Oruch, <i>CENG</i>	Gary Read, <i>CENG</i>

CONTACT THE RESPONSIBLE ENGINEERING STANDARDS POC
for upkeep, interpretation, and variance issues

Ch. 1, 210	<u>ESM Component Nomenclature POC/Committee</u>
-------------------	---

1.0 SYSTEM LIST (FACILITY AND PROGRAMMATIC)

1. The system titles and acronyms in this subsection shall be used for all new building and system design/labeling, and also adopted whenever modifying over 70% of an existing system's components.¹
2. Requests for addition to or modification of the listing shall be directed to the [Component Number/Labeling POC](#), who can grant approval for interim use until listing is revised.²

Guidance:

1. *Use of this section is also encouraged for smaller, existing-facility projects and labeling/documentation upgrade efforts, since adoption of standard nomenclature ensures gradual progression toward consistently identified systems and components on labels, drawings, procedures, databases, and system design descriptions; this facilitates operations and maintenance.*
2. *The acronyms in this section are the Op System part of the component nomenclature process described by Chapter 1, Section 230. Optional subsystem designation is further described there.*
3. *For requirements on system boundary setting, see Chapter 1 Section 220.*
4. *Each system should receive its own unique identifier; there is no miscellaneous category. Facility-specific maybe be tabulated separately in the future.*
5. *In Att 1, old terms are provided to assist with search and selection.*
6. *TA-55 is using CMMS field "System" for controlling subsystems (rather than R, P, U) along with Op System.*

ATTACHMENTS

Attachment 1, the system list with definitions is webposted as a single Excel file at http://engstandards.lanl.gov/ESM_Chapters.shtml#esm1

¹ Fifty percent is the accepted threshold for system upgrade to current standards when modifying it; this has a basis in safety and cost effectiveness per Ch. 1 Section Z10. Component identification relates to safety and cost effectiveness, though arguably less so; thus 70 percent was chosen.

² Attachment 1 revisions do not require the Engineering Standards Board's meeting or QA or independent technical review prior to approval by CENG Office Director and they are fundamentally non-technical.