



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
1322 PATTERSON AVENUE, SE SUITE 1000
WASHINGTON NAVY YARD DC 20374-5065

11000
CHENG/041
26 March 2024

From: Chief Engineer, Naval Facilities Engineering Systems Command

Subj: INTERIM TECHNICAL GUIDANCE (ITG) FY24-02 – ELEVATORS IN JAPAN

Ref: (a) UFC 3-490-06 Elevators, Change 1, 13 JAN 2021
(b) UFC 1-200-01 Department of Defense Building Code, Change 2, 12 JUN 2023
(c) ASME A17.1, Safety Code for Elevators and Escalators
(d) UFGS 14 21 23.01 33 Electric Traction Passenger Elevators, Japan Edited Specification (JES)

1. Purpose. This Interim Technical Guidance (ITG) provides design requirements, inspection processes, and required technical coordination among multiple design disciplines for elevator systems procured and in service in Japan. This criterion enables more effective and sustainable elevator systems by facilitating compliance with current Host Nation building code requirements and standards.

2. Background. In Japan, elevators in existing Navy facilities, as well as those procured as part of new Host Nation-funded construction projects, can neither readily nor consistently meet United States industry building codes cited in reference (a). Reference (b) allows local manufacturers to meet the intent of design and inspection processes by following analogous Host Nation standards such as the Japan Industrial Standards (JIS).

3. Discussion.

a. In the United States, elevators and other forms of Vertical Transportation Equipment (VTE) are designed, manufactured, and installed in accordance with reference (c), in addition to applicable International Building Code (IBC), National Fire Protection Association (NFPA), and other safety requirements.

b. For Navy facilities in foreign countries these requirements may be cost-prohibitive, impact mission need with long lead times, and result in unsustainable building systems that cannot be maintained. These risks create the basis for reference (b) to allow the design, installation, and certification of VTE to comply with the Host Nation building and safety codes.

c. In support of this strategy, the Tri-Service VTE working group performed a gap analysis comparing U.S. and Japanese elevator code requirements. Reference (d) reflects the adjudication of the differences in these codes and ensures that the intent of reference (c) can be met by locally manufactured, procured, and maintained elevators.

4. Applicability.

a. This ITG is applicable to all DoD-funded Navy and Marine Corps projects in Japan. This ITG does not apply to Host Nation-funded Navy and Marine Corps projects.

Subj: INTERIM TECHNICAL GUIDANCE (ITG) FY24-02 – ELEVATORS IN JAPAN

b. Elevators provided on U.S. Navy installations are required to comply with statutes, regulations, codes, standards, DoD criteria, and facility operation requirements.

5. Criteria. Reference (d) contains technical requirements for elevators to be installed in the Japanese area of responsibility as outlined herein. Reference (a) will be revised to reflect these requirements.

6. Action. All Navy and Marine Corp Installations and Naval Facilities Engineering Systems Commands will ensure compliance with the elevator system requirements described below.

a. Existing facilities must maintain, inspect and certify existing elevator systems to meet the standards to which they were designed and installed (e.g. JIS or US requirements as applicable).

b. Projects in construction may proceed as designed in accordance with the awarded construction contract. Inspect and certify VTE systems according to the code or standard applicable that was approved prior to the start of construction. If feasible (i.e. if funding is available and the schedule allows), contracts may be modified to incorporate JIS requirements reflected in reference (d); coordinate with the Project Manager and Contracting Officer accordingly.

c. All new projects with elevator systems must adhere to references (a) and (b) and utilize reference (d).

d. Projects that are prior to submission of Program Final DD Form 1391 must comply with references (a) and (b) and utilize reference (d) once design authorization is issued.

e. Design-Bid-Build (DBB) projects that have not yet reached 35% design must comply with references (a) and (b) and incorporate reference (d).

f. Design Build (DB) projects that have not yet reached Request for Proposal (RFP) solicitation, as well as awarded DB projects that have not reached 100% design acceptance, must incorporate reference (d).

g. Project Technical Staff (PTS) must ensure that all projects in design, but not completed, comply with this ITG to the maximum extent possible.

7. Coordination. Reference (c) is available with other NAVFAC Regional Specifications on the Whole Building Design Guide website at:

<https://www.wbdg.org/ffc/navy-navfac/regional-specifications>.

8. Points of Contact. If you have questions or concerns with respect to this ITG, please contact NAVFACSYS COM technical representatives listed below:

a. Mr. Leonard Donaldson, NAVFAC VTE Technical Warrant Holder, at DSN 312-4808, Commercial (301) 757-4808, or email leonard.w.donaldson.civ@us.navy.mil.

Subj: INTERIM TECHNICAL GUIDANCE (ITG) FY24-02 – ELEVATORS IN JAPAN

b. Mr. Emil Consolacion, P.E., Mechanical Criteria Manager, at DSN 262-4205, Commercial (757) 322-4205, or email emil.t.consolacion.civ@us.navy.mil.

S. Keith Hamilton, P.E.
Chief Engineer and Assistant Commander
Planning Design and Construction

Copy to:

NAVFAC Atlantic

NAVFAC Pacific

NAVFAC EXWC

NAVFAC Mid-Atlantic

NAVFAC Southeast

NAVFAC Washington

NAVFAC EURAFCENT

NAVFAC Northwest

NAVFAC Southwest

NAVFAC Far East

NAVFAC Hawaii

NAVFAC Marianas

OPNAV, N4

CNIC, N4

MCICOM

DASN (EI&E)