

Origination Form

Specifications

Submittal Information			
Name:	Ronald Meyer	Standard Specification Section:	639
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Date:	2026-06-10T15:37:12Z	Associated Specs:	n/a

Summary:

Added sound level requirements for sealed transformers to Table 639-1.

Justification:

It was brought to our attention by industry that the specification is missing average sound level requirements for sealed transformers and that this has created issues with acceptance of transformers on projects. The change adds allowable sound levels for sealed transformers per applicable national standards (e.g., NEMA ST-20) for both ventilated and sealed transformers.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Yes. Changes reflect stakeholder needs, update and clarify technical requirements, and improve consistency and quality of specification content.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

No expected financial impact.

What impact does the change have on production or construction schedules?

No expected impacts to production or construction schedules.

How does this change improve efficiency or quality?

Changes improve efficiency and quality by updating requirements to address user needs, fostering consistency, and adhering to standardized formatting styles.

Which FDOT offices does the change impact?

Traffic Engineering and Operations Office

What is the impact to districts with this change?

Districts will benefit from updated requirements that better reflect current products and industry practices.

Does the change shift risk and to who?

No expected shift in risk.

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/specifications/default.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

ELECTRICAL POWER SERVICE ASSEMBLIES
(REV 6-10-26)

SUBARTICLE 639-3.7.5 is deleted and the following substituted:

639-3.7.5 Sound rating: Sound levels shall not exceed the following:

Table 639-1		
Transformer Rating (KVA)	Average Sound Level Decibels per NEMA ST-20 <u>(Self-Cooled Ventilated)</u>	<u>Average Sound Level Decibels</u> <u>per NEMA ST-20</u> <u>(Self-Cooled Sealed)</u>
0-9	40	<u>45</u>
10-50	45	<u>50</u>
51-150	50	<u>55</u>
150-300	55	<u>57</u>