

AVOIDING DELAYS FOR NRTLs TESTING AND CERTIFICATION

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3 Critical Steps

- Explaining the project clearly from the beginning
- Preparing all required samples and hardware
- Providing all necessary documentation

Explaining the project clearly from the beginning

- Discuss the details of the project with the sales/account manager.
- Clearly explain the end use to establish the correct standard or category.
- Follow up with an e-mail.
- Is IPI needed?
- If possible, request the project to be done locally.
- Obtain accurate quotes and ECD.
- Obtain the complete shopping list from NRTL.
- Spend extra time on the list at the beginning. This will pay off in the long run.

Preparing all required samples and hardware

- Are all samples, cables, loads, accessories, and support equipment ready?
- Check and test all samples prior to shipping.

Providing all necessary documentation

Typical required documents include:

- List of all models
- Differences/similarities between models
- Product specifications/marketing documents
- User manual
- Label(s) artwork
- Schematics
- Board layout
- Voltage map (where possible)
- Magnetic drawings
- Mechanical drawings
- LCC
- IEC/UL/CSA certifications
- Letter of assurance
- RoHS certification
- Photos

Points of Note

- Incomplete LCCs are where most delays occur.
- Use the NRTL format for LCC.
- Fill out the form as completely as possible.
- UL/CSA and IEC certifications are a must.
- Check all certifications for correct standards.
- Check all certifications for expiration date.
- Ensure certifications show the exact type number.
- Check magnetic drawing for accuracy against IS.
- Ensure magnetic Insulation System is in-line with heating results and Tmra.

Summary

- Main key factor to a pain-free certification is **early construction review and pre-test.**
- If unsure, open a preliminary project at NRTL.