

IMO PSPC Coatings Technical File

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Terry Greenfield, CorroMetrics Services, Inc.



Coatings Technical File (CTF)

- Requirement of IMO Performance Standard for Protective Coatings (PSPC)
 - Specification of Coating System applied to dedicated seawater ballast tanks and double-side skin spaces
 - Record of shipyard's and ship owner's coating work and inspections (new construction and maintenance & repair)

Coatings Technical File (CTF)

- New Construction Stage shall contain at least the following:
 - Copy of Statement of Compliance or Type Approval Certificate (TAC)
 - Copy of Technical Data Sheet
 - Shipyard Work Records of Coating Application
 - Procedures for inspection and Repair

Coatings Technical File (CTF)

- New Construction Stage shall contain at least the following (cont):
 - Coating Log issued by the coating inspector
 - Shipyard verified inspection report
 - Procedures for in-service maintenance and repair of coatings system

Coatings Technical File (CTF)

- In-Service Maintenance, Repair & Partial Recoating activities shall be recorded in the CTF
- If full recoating is performed new-construction requirements in effect
- The CTF shall be kept on-board and maintained throughout the life of the ship

Interpretation

- Shipyard is responsible for compiling the initial CTF and turning over with Ship
- Will contain all information per PSPC 3.4 and the inspection processes agreement

Coatings Technical File



Minimum Requirements ?

- Dry Film Thickness (DFT) readings for example have been estimated at 1,700 per block
- Minimum requirements may present huge data collection issues



Coatings Technical File – Why?

- Make shipbuilding more difficult and costly?
- Record of coating processes and inspection to ensure compliance and aid in future life-cycle maintenance of ship..



Potential Benefits

- If there is a problem...all construction painting records are available – Materials and Application
- Procedures for future repairs and maintenance are established and onboard
- Long-term performance monitoring.

Industry - What Do We Do?

- Data Collection Requirements?
- Form of Delivery and what data required for delivery?



NACE Task Group 402

- Assignment – *To develop a standard outlining required components of the IMO Performance Standard for Protective Coatings (PSPC) Coatings Technical File (CTF) for collection during construction, delivery after construction, and onboard maintenance documentation*
- Cosponsored by STGs 02, 03, and 04

TG 402 Goals

- To develop a best practices standard for:
 - Data collection and management during shipbuilding and final presentation upon completion
 - Continued data collection of ballast tank service condition and any maintenance & repair efforts
- Best Practices to include system requirements for both computer-based systems and hard-copy systems

Task Group 402

- Will meet Tuesday, March 24 from 10:00 am to 11:00 am in room
- Please attend if you are interested!

Thanks!

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