Coating Test Methods and Materials Development

Group 1

Chairs

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Item	Vote	Description
Short term lab testing, to determine long term field performance	**8**	**Identify and develop novel and/or standard techniques to evaluate coating performance and correlate to long term field performance**
Develop modelling tool to predict long term field performance	**7**	**Identify critical coating material properties and integrate into the modeling, validate with the data for prediction of coating life**
Database of coating performance in the field	**6**	**Collect and catalog the field coating performance data**
Smart coating, use sensor to detect early coating failure	**5**	Develop integrated sensor technology for real time monitoring of the coating condition
**Cathodic disbondment mechanism	**4**	**Determine the fundamental mechanism for the cathodic disbondment**
Effect of hydrocarbon, soil type on coating performance	**3**	
Forensic technology documentation	**3**	
coating on substandard surface preparation	**3**	
2L FBE	**3**	
stress distribution on pipelines in circumferential and lateral directions	**3**	

Coupling agent btw steel and coatings	2
Combination of various parameters(including thermal fatigue,) on coating performance	2
Residual stress measurement of thick FBE and 3L polyolefin coatings	2
Standard development for tapes and shrink sleeves	2
Remote monitoring coating failure	2
polymer aging	1
nonmetallic pipes	1
Soil Backfill resistance	1
ID inspection on external coating condition	1
Use EIS to detect disbanding	1
Real time coating quality assessment	0