

Catch the Codes

Introduction of ISO/IEC-81346 (RDSPP) Protocol in U.S. Offshore Wind Projects

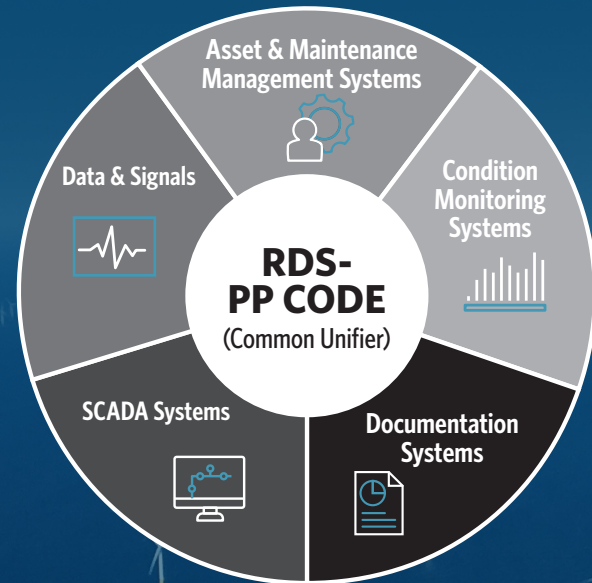
— Jaimeer Patel, PE

INTRODUCTION

The rapid growth of the U.S. offshore wind market is being enhanced by the implementation of RDSPP (Reference Designation System for Power Plants) coding. This standardized nomenclature system improves asset management, optimizes operations, and increases maintenance efficiency across offshore wind projects. By adhering to international industrial standards, RDSPP coding provides a consistent framework for documentation, from design drawings to operational manuals. Its hierarchical alphanumeric structure ensures precise identification of components, fostering effective communication and coordination throughout the project lifecycle. Additionally, RDSPP coding plays a crucial role in managing complex underwater "electrical power" transmission systems and "onshore/offshore sites," underscoring its versatility and significance in the offshore wind sector.

UNLOCK THE POTENTIAL OF OFFSHORE WIND WITH RDSPP CODING

Standardizing Nomenclature for Streamlined Operations, Enhanced Efficiency, and Seamless Maintenance.



RDS

Which is an abbreviation for Reference Designation System

The official title of 81346 is:

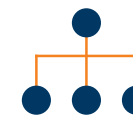
"Industrial Systems, Installations and Equipment and Industrial Products - Structuring Principles and Reference Designations"

#	Site Code	=	Function codes, F for Function			-	Product codes, P for Product		&	DCC
			F0	F1	F2		P1	P2		
	AAANN	=	ANN	AAANN	AANNN	-	AANNN	AANNN	&	AAANN
#	SFW01	=	X01	AAE11	QA001					
#	SFW01	=	X01	AAE11	BC001	-	BC100			
#	SFW01	=	X01	AAE11	BC001	-	BC200			
#	SFW01	=	X01	AAE11	BC001	-	BC300			
	Site		Overall System	System	Basic Function		Product	Product		Document Classification Code

Breakdown of RDSPP Codes

RDSPP Code	Description
SFW01	Offshore Wind Project Site
X01	Onshore Site RDSPP Code
AAE11	138kV Array 1 Circuit Breaker A
BC001	138kV Array 1 Circuit Breaker A, Current Transformer Stack
BC100	138kV Array 1 Circuit Breaker A, Current Transformer Stack, Phase A
BC200	138kV Array 1 Circuit Breaker A, Current Transformer Stack, Phase B
BC300	138kV Array 1 Circuit Breaker A, Current Transformer Stack, Phase C

System elements are related by two kind of relations:



Part-of Relation



Type-of Relation



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