WG13 Issues - CIM Issues #7236

Need for RotatingMachinePhase class

06/18/2025 06:44 PM - Alex Anderson

Status:	New		
Priority:	Normal		
Target version:			
Author/Contact Info:		**Standard(s):**	
Base Release:	CIM18	**Version:**	
Solution to be Applied To:		**Clause:**	
Solution Version:		**Sub-Clause:**	
Solution Applied By:		**Paragraph:**	
Completion Date:		**Table:**	
CIM Keywords:	61970-Wires	**Originally Closed in Version:**	
Breaking Change:	No	**Origination Date:**	
Breaking Change Description:		**Origination ID:**	
CIM Impacted Groups:	WG13	**Originally Assigned To:**	
Requestor:			

Description

It is very common in distribution systems to have large single-phase motors and generators. These can be single-phase synchronous motors (e.g. reluctance motors) or asynchronous (e.g. single-phase induction motors and Type I SCIG “small-wind” turbines in the 10kW to 50kW range). CIM currently lacks any modeling detail to indicate whether a RotatingMachine is single-phase.

Proposed Solution

It is proposed to add a new class named RotatingMachinePhase with minimum / essential attributes of p, q, and phase. Alternative would be two SynchronousMachinePhase and AsynchronousMachinePhase classes, but this generally not used by other classes.

Files

Proposal to Add Phasing for RotatingMachine 2023.11.27.docx	425 KB	06/18/2025	Alex Anderson