

Comparison of PLS-CADD Editions

	STANDARD +FE (SAPS)	STANDARD	SURVEY	LITE	ULTRALITE
Built in ruling span sag-tension	•	•		•	•
Generates structure loading trees	•	•		•	
Links to structure application for analyzing structure	•	•		•	
Spot structures and string wires for entire line	•	•			
Models all wires attached to a single structure	•	•		•	
Includes terrain and surface modeling	•	•	•		
Allows vector and raster image attachments	•	•	•		
Automatically creates Plan & Profile sheets	•	•	•		
Creates construction staking reports	•	•	•		
Creates sag and tension tables	•	•		•	•
Creates stringing charts	•	•		•	•
Material management system	•	•			
Links to 3 rd party databases	•	•			
IEEE 738 and Cigre Brochure 207/601 and TNSP 2009 based thermal rating	•	•		•	
Electric and magnetic field calculations	•	•			
Electrical line constants calculator	•	•			
Checks terrain clearances	•	•			
Checks wire clearance to PLS-POLE or TOWER structures (including guys & strain insulators)	•	•		•	
Checks clearance between wires	•	•		•	
Creates galloping ellipses	•	•		•	
Offset clipping reports	•	•			
Jumper modeling	•				
Structure deflections can be made to influence sag & tension calculations	•				
Structure loading and wire clearances can be made to account for structure deflection	•				
Interaction between spans can be considered for sag & tension and loading calculations	•				
Graphical sagging of conductor to match LIDAR and survey data points	•				
Aerial image importing from internet sources	•	•	•		
Terrain data importing from internet sources	•	•	•		