

X = a lot x = a little

In | **HiPP** | **Now**


Desirable HiPP Functionality (define and use the items listed) dm = dimensional measurement	Already in AP238	Added to AP238	Exists in DMIS	Need to Add
1. dimensions and tolerances	X		X	
2. dm features		X	X	
3. actual vs. nominal dm features			X	X
4. executable dm process plan		X	X	
5. objective dm plan		X		
6. method to make executable plan from objective plan		X		
7. dm operation (touch probing, scanning, etc.)		x	X	X
8. dm workingstep (associate feature and operation)		X	X	
9. output of measurement results	x	x	X	X
10. datums	X		X	
11. setups	X			
12. coordinate systems (create, locate, and transform)		x	X	X
13. workpiece (part)	X		x	
14. machines for dm (CMMs, gages, etc.)		x		X
15. tools for dm (probes, probe assemblies, holders, etc.)	x	x	X	X
16. strategies for dm operations		x	x	X
17. accuracy requirements		X		
18. uncertainty (rules for using it, and data)			X	X
19. geometry and topology	X			
20. machining features	X			
21. association between geometry and dm features		X	x	
22. association between machining features and dm features				X
23. flow of control operations	x		X	x
24. variables (of various data types)	x		X	X
25. expressions and operators	x		X	X
26. functions (e.g. sine, substring, cross product)			X	X
27. choice of units (for length, time, etc.)	X		X	
28. administrative data (dates, approvals, security, etc.)	X		x	
29. messages to operator	X		X	
30. input from operator			X	X
31. command for rotary table motion			X	X
32. integration of dm and machining	x	X		x
33. command for return to home position	X		X	
34. high-level language used to build information model	X			