

ISO 14649-17:2020-03 (E)

Industrial automation systems and integration - Physical device control - Data model for computerized numerical controllers - Part 17: Process data for additive manufacturing

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General process data	2
4.1	General	2
4.2	Header and references	2
4.3	General types and definitions	2
4.3.1	Measure units	2
4.4	Additive manufacturing entities	2
4.4.1	AM workpiece	2
4.4.2	AM workingstep	3
4.4.3	AM feature	3
4.4.4	AM compound feature	3
4.4.5	AM simple feature	3
4.4.6	AM gradient feature	4
4.4.7	AM heterogeneous feature	6
4.4.8	AM heterogeneous atom	7
4.4.9	AM machine functions	7
4.4.10	AM operation	7
4.4.11	AM twoD operation	8
4.4.12	AM oneD operation	8
4.4.13	AM construction	9
4.4.14	AM solid	9
4.4.15	AM infill	9
4.4.16	AM patterns	9
4.5	End of schema	9
Annex A (informative) EXPRESS expanded listing		10
Bibliography		12