

Item	Class A	Class B1	Class B2	Class C
<b>Monument Environment:</b>				
- securing environment by legal means	X	X	-	-
- station coordinates monitoring	X	X	X	X
- overlapping relocation period (tbd)	X	X	-	-
- monitoring radio disturbances	X	X	X	X
- periodic horizon monitoring, min. every 2 years.	X	X	X	X
- multipath monitoring	X	X	X	X
- analysis of GPS data.	X	X	-	-
- monitoring of antenna surroundings.	X	X	-	-
- monitoring ground water level				
- direct well measurements	X	-	-	-
- monitoring local drainage and regional water supply production.	X	-	-	-
- a platform for absolute gravity measurements should be established adjacent to the monument.	X	-	-	-
<b>Monument:</b>				
- extreme stability in space/time	X	X	-	-
- stability documented in time series, min. X months.	< 1mm	< 3 mm	< 3 mm	> 3 mm
- documented monument construction stability	X	-	-	-
- periodically stability monitoring	12	6	-	-
- periodically footprint monitoring	X	X	-	-
- documented geological preconditions	X	-	-	-

- thermal expansion controlled by heating or construction documented for this effect.	X	-	-	-
<b>Antennas:</b>				
- Dorne Margolin/IGS compatible	X	X	-	-
- the antenna should be acknowledged by IGS and have calibration values from IGS/NGS.	X	X	X	-
- antenna splitter/type.	X	X	-	-
<b>Radomes:</b>				
- if an radome is used it must be documented	X	X	-	-
- if an radome is used it must be IGS compatible.	X	X		-
				-
				-
<b>Receiver:</b>				
- dual frequency, min 12 channel geodetic receiver mentioned in IGS receiver-antenna table	X	X	-	-
- redundant receiver	X	X	-	-
- local storage of raw data either in a local PC or internal memory.	X	X	-	-
- real-time data on redundant communications routes	X	X	-	-
- the receiver must have at least 3 serial ports or an Ethernet port.	X	X	-	-
- external oscillator	X	X	-	-

<b>Data rate</b>				
- 1 s	X	X	-	-
- other	X	X	-	-
<b>Station security and environment</b>				
- limited access to the station	X	X	X	X
- the station is manned.	X	X	X	X
- the station is equipped with firealarm/alarm/webcamera	X	X	X	X
- UPS or alternatives	X	X	X	X
- lightning protection of electronics	X	X	X	X
- lightning protection of building	X	X	X	X
- stable earth potential for super-conducting gravimeters	X	X	X	X
- redundant communications.	X	X	X	X
- air conditioning of building	X	X	X	X
- indoor climate logging	X	X	X	X
<b>Documentation if available:</b>				
- station must have an IGS-logfile.	X	X	-	-
- antenna cable, length, type	X	X	-	-
- signal splitter	X	X	-	-
- lightning protection	X	X	-	-
- external frequency	X	X	-	-
- meteorological equipment	X	X	-	-
- UPS	X	X	-	<P ALIGN="CEN