

GALILEO PRN SPREADING CODE APPLICATION FORM

Applicant Information		
1	Application Date	
2	Name	
3	Title	
4	Organization	
5	e-mail	
6	Telephone	
7	Fax	
8	Address	
System Information		
9	System Name	
10	Organization	
11	Sponsoring Government	
12	ITU filing information	

13	PRN Code Request Information				
Requested PRN code	Frequencies	Satellite Name	Notification Need Date	Test Broadcast Dates (begin/end)	Operational Broadcast dates (begin/end)

System Information	
14	Justification for request. Please explain why the requested quantity and type of PRN codes are required:

Please complete the following form for each transmitter:

Satellite Orbit Parameters	
15	PRN Code Requested
16	Position [LAT, LON, H, WGS-84] (terrestrial transmitters only)
17	GLAN [°] (GEO only)
18	RAAN [°]
19	Argument of Perigee [°]
20	Mean Anomaly [°]
21	Semi Major Axis [m]
22	Inclination [°]
23	Eccentricity [-]
24	UTC Time of Epoch [YY-MM-DD, HH:MM:SS]
Maximum Received Power-Level on Earth's Surface* [dBW]	
25	Maximum Received Power-Level on E1 [dBW]
26	Maximum Received Power-Level on E6 [dBW]
27	Maximum Received Power-Level on E5a [dBW]
28	Maximum Received Power-Level on E5b [dBW]
29	Axial Ratio of the Transmitting Antenna on E1 [dB]
30	Axial Ratio of the Transmitting Antenna on E6 [dB]
31	Axial Ratio of the Transmitting Antenna on E5a [dB]
32	Axial Ratio of the Transmitting Antenna on E5b [dB]

*: Link budget assumptions to be applied for the calculation of the maximum user received power-level on earth's surface:

- Loss-less atmosphere
- 0 dBic user antenna gain

Please provide the Maximum Received Power-Level on Earth's Surface as a function of elevation in dBW:

33	Power level [dBW] on Earth's Surface as a function of elevation* [°]																			
Elevation [°]	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
E1																				
E6																				
E5a																				
E5b																				

*: Link budget assumptions to be applied for the calculation of the user received power-level on earth's surface:

- Loss-less atmosphere
- 0 dBic user antenna gain

Performance Characteristics	
34	Describe the system's ranging and timing (wrt. UTC) accuracy – expected accuracy as well as planned committed accuracy. Please provide necessary assumptions applied for the derivation of accuracy (e.g. user location, age of data, percentile, etc).

Interference Analysis	
35	Describe measures taken to avoid interference. If broadcasting E5, provide evidence of participation in ITU Resolution 609 Meetings.

Additional Information for Terrestrial Transmitters (e.g. Pseudolites)	
36	Transmit Antenna Gain Pattern
37	Pulsed Mode
38	Pulse Duty Cycle
39	Pulse Repetition Rate

Required Attachments:

- Program Overview / Schedule