

## Additional Data Items Required for API

Name of satellite network: \_\_\_\_\_

| AP4 Reference | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Type of Response                                |                                                                                                                                                                      | Value |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| A.1.g         | indicator showing that the non-GSO satellite system is planned to be operated in accordance with Resolution 32 (COM5/5) (WRC-19)<br>Required for advance publication and notification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Mandatory                                       | Y/N                                                                                                                                                                  |       |
| A.4.b.1.a     | indicator of whether the non-geostationary-satellite system represents a “constellation”, where the term “constellation” describes a satellite system, for which the relative distribution of the orbital planes and satellites is defined<br><br><i>Note</i> – Non-geostationary-satellite systems in frequency bands subject to the provisions of Nos. 9.12, 9.12A, 22.5C, 22.5D, 22.5F or 22.5L are always considered as “constellations”                                                                                                                                                                                                                                                                                                             | Mandatory                                       | Y/N                                                                                                                                                                  |       |
| A.4.b.1.b     | indicator of whether all the orbital planes identified under A.4.b.1 describe<br>a) a single configuration where all frequency assignments to the satellite system will be in use or<br>b) multiple configurations that are mutually exclusive where a sub-set of the frequency assignments to the satellite system will be in use on one of the sub-sets of orbital parameters to be determined at the notification and recording stage of the satellite system<br>Required only for the:<br>1) advance publication information for a non-geostationary-satellite system representing a constellation (A.4.b.1.a), and<br>2) coordination request for non-geostationary-satellite systems                                                               | Mandatory *<br>under<br>specified<br>conditions | S-Single<br>/<br>M-Multiple                                                                                                                                          |       |
| A.4.b.1.c     | if the orbital planes identified under A.4.b.1 describe multiple mutually exclusive configurations, identification of the number of sub-sets of orbital characteristics that are mutually exclusive<br>Required only for the:<br>1) advance publication information for a non-geostationary-satellite system representing a constellation (A.4.b.1.a), and<br>2) coordination request for non-geostationary-satellite systems                                                                                                                                                                                                                                                                                                                            | Mandatory *<br>under<br>specified<br>conditions | Integer                                                                                                                                                              |       |
| A.4.b.1.d     | if the orbital planes identified under A.4.b.1.b describe multiple mutually exclusive configurations, identification of the orbital planes’ id numbers that are associated with each of the mutually exclusive configurations<br>Required only for the:<br>1) advance publication information for a non-geostationary-satellite system representing a constellation (A.4.b.1.a), and<br>2) coordination request for non-geostationary-satellite systems                                                                                                                                                                                                                                                                                                  | Mandatory *<br>under<br>specified<br>conditions | Provide in<br>separate table,<br>enter here the<br>attachment<br>number                                                                                              |       |
| A.4.b.4.h     | the initial phase angle ( $\omega_i$ ) of the $i$ -th satellite in its orbital plane at reference time $t = 0$ , measured from the point of the ascending node ( $0^\circ \leq \omega_i < 360^\circ$ )<br>Required only in the case of a non-geostationary-satellite system representing a “constellation” (A.4.b.1.a), and to be specified in:<br>1) the advance publication information, for any frequency assignment not subject to the provisions of Section II of Article 9<br>2) the coordination request, for any frequency assignment subject to the provisions of Nos. 9.12, 9.12A, 22.5C, 22.5D, 22.5F or 22.5L<br>3) the notification, in all cases<br><i>Note</i> – The initial phase angle is the argument of perigee plus the true anomaly | Mandatory *<br>under<br>specified<br>conditions | Provide in<br>separate table,<br>enter here the<br>attachment<br>number:<br>(attachment<br>should contain a<br>value for each<br>satellite in each<br>orbital plane) |       |
| A.4.b.4.i     | the argument of perigee ( $\omega_p$ ), measured in the orbital plane, in the direction of motion, from the ascending node to the perigee ( $0^\circ \leq \omega_p < 360^\circ$ ):<br>Required only for orbits of a “constellation” (A.4.b.1.a) where the altitudes of apogee and perigee (A.4.b.4.d and A.4.b.4.e) are different, and to be specified in:<br>1) the advanced publication information, for any frequency assignment not subject to the provisions of Section II of Article 9<br>2) the coordination request, for any frequency assignment subject to the provisions of Nos. 9.12, 9.12A, 22.5C, 22.5D, 22.5F or 22.5L<br>3) the notification, in all cases                                                                               | Mandatory *<br>under<br>specified<br>conditions | Provide in<br>separate table,<br>enter here the<br>attachment<br>number:<br>(attachment<br>should contain a<br>value for each<br>orbital plane)                      |       |

| AP4 Reference    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Type of Response |                            | Value                                                                                                                                     |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A.4.b.4.j</b> | <p>the longitude of the ascending node (<math>\theta_j</math>) for the <math>j</math>-th orbital plane, measured counter-clockwise in the equatorial plane from the Greenwich meridian to the point where the satellite orbit makes its South-to-North crossing of the equatorial plane (<math>0^\circ \leq \theta_j &lt; 360^\circ</math>)</p> <p>Required only for orbits of a “constellation” (<b>A.4.b.1.a</b>), and to be specified in:</p> <ol style="list-style-type: none"> <li>1) the advance publication information, for any frequency assignment not subject to the provisions of Section II of Article 9</li> <li>2) the coordination request, for any frequency assignment subject to the provisions of Nos. <b>9.12</b>, <b>9.12A</b>, <b>22.5C</b>, <b>22.5D</b>, <b>22.5F</b> or <b>22.5L</b></li> <li>3) the notification, in all cases</li> </ol> <p><i>Note</i> – All satellites in all orbital planes must use the same reference time. If no reference time is provided in <b>A.4.b.4.k</b> and <b>A.4.b.4.l</b>, it is assumed to be <math>t = 0</math></p> | Mandatory *      | under specified conditions | Provide in separate table, enter here the attachment number: (attachment should contain a value for each orbital plane)                   |
| <b>A.4.b.4.k</b> | the date (day:month:year) at which the satellite is at the location defined by the longitude of the ascending node ( $\theta_j$ ) (see Note under <b>A.4.b.4.j</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Optional *       |                            | Provide in separate table, enter here the attachment number: (attachment should contain a value for each satellite in each orbital plane) |
| <b>A.4.b.4.l</b> | the time (hours:minutes) at which the satellite is at the location defined by the longitude of the ascending node ( $\theta_j$ ) (see Note under <b>A.4.b.4.j</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Optional *       |                            | Provide in separate table, enter here the attachment number: (attachment should contain a value for each satellite in each orbital plane) |
| <b>A.4.b.4.m</b> | <p>indicator of whether the space station uses sun-synchronous orbit or not</p> <p>Required only in frequency bands not subject to the provisions of Nos <b>9.12</b> or <b>9.12A</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Mandatory *      | under specified conditions | Y/N                                                                                                                                       |
| <b>A.4.b.4.n</b> | if the space station uses sun-synchronous orbit ( <b>A.4.b.4.m</b> ), indicator of whether the space station references the local time of the ascending node (solar local time when the space station is crossing the equatorial plane in the South-North direction in hours:minutes format) or the descending node (solar local time when the space station is crossing the equatorial plane in the North-South direction in hours:minutes format)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Optional *       |                            | Y/N                                                                                                                                       |
| <b>A.4.b.4.o</b> | if the space station uses sun-synchronous orbit ( <b>A.4.b.4.m</b> ), the local time of the ascending (or descending, per <b>A.4.b.4.n</b> ) node (solar local time when the space station is crossing the equatorial plane in the South-North (or North-South) direction in hours : minutes format)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Optional *       |                            | Time (hh:mm)                                                                                                                              |

\* These fields may be entered as N/A for those satellite networks that are not applicable

**THIS FORM SHOULD BE SUBMITTED FOR EACH SATELLITE NETWORK**