

DRAFT FOR LISTENING SESSION

**Appendix: Data Requested from Owner/ Operators During TraCSS Registration**

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| <b>Organizational Information</b>   | This is information collected about the organization when registering in TraCSS. Entities should keep this information up to date.   |
| <i>Spacecraft Owner Organizational contact information:</i>                             | This information focuses on the owner of the spacecraft.   |
| Organization name   |  |
| Headquarters address (including country)  |  |
| Primary Contact information – position title, email, phone number                       | The primary representative for the organization's account has the ability to edit account information and to add/ remove other organizational users.   |
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| <i>Spacecraft Operator Organizational contact information [if different than owner]</i> | This information focuses on the operator of the spacecraft (if the owner and operator are the same entity, it does not need to be completed)   |
| Organization name:  |  |
| Mission control/ operation center address (including country)                           |  |
| Primary contact – position title, email, phone number                                   |  |
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| Additional organizational users (names, email addresses, phone numbers)                 |  |
| Close approach notifications (email addresses to receive messages and access the data)  | These email addresses will receive close approach notifications.   |
| Emergency notification contact (name and phone number(s))                               | This is the contact that should be used for time-sensitive operational issues (e.g. coordinating on mitigation of a high risk conjunction)   |
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| <b>Spacecraft Information and Attributes</b>  | Information collected about the spacecraft that are operational (or soon to be operational) when registering in TraCSS. If additional spacecraft are launched by the organization after registration, they can be added later. |

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| Satellite name  | Common name used to refer to the satellite   |
| Alternate name(s)   | Any alternate names used to refer to the satellite   |
| Have you checked the satellite catalog to make sure there is not already a satellite with this name in orbit?                       | To avoid confusion, it is best to choose a unique satellite name.  |
| NORAD ID (if already assigned)  |  |
| International designator/ COSPAR ID (if already assigned)   |  |
| Licensing country   | Which country (or countries) licensed the spacecraft for operations?   |
| Country of UN Registry  | Which country registered the spacecraft with the United Nations?   |
| Constellation (if applicable)   | Is the satellite part of a constellation? If yes, what is the name of the constellation?   |
| Country Affiliation(s)  | List any countries involved in the development and operation of the spacecraft (e.g. if the spacecraft was jointly developed and/or holds payloads from multiple countries).   |
| Object Type [Automatically filled to Payload]   | Automatically set to "Payload" (Following <a href="https://sanaregistry.org/r/object_types/">https://sanaregistry.org/r/object_types/</a> )  |
| Operational Status  | According to: <a href="https://sanaregistry.org/r/operational_status/">https://sanaregistry.org/r/operational_status/</a>  |
| Orbit category  | According to: <a href="https://sanaregistry.org/r/orbit_categories/">https://sanaregistry.org/r/orbit_categories/</a>  |
| Are you capable of reliably generating an accurate and precise predicted ephemeris with covariance? [yes/no]                        | Owner operators may use onboard GPS receivers or other methods to accurately and precisely determine their own location in order to generate predicted ephemeris with covariance. This information is an important input to TraCSS |
| How often do you plan to provide predicted ephemerides with covariance to TraCSS ? [once a day; twice a day; more than twice a day] |  |
| Wet mass  | Total mass of the spacecraft   |
| Hard body radius [and method used for calculation]  | The hard body radius should be calculated using a standard method (see appendix); The method chosen should be specified.   |

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| Will anything be deployed from it (anything to change its shape)?  | If yes, you can also provide additional explanation and/or upload drawings or other information)  |
| Conjunction mitigation capabilities (check all that apply): chemical propulsion, electric propulsion, differential drag, object re-orientation, none | Which types of conjunction mitigation capabilities does the spacecraft have?  |
| Expected mission lifetime?   | What is the expected lifespan of the spacecraft?  |
| Launch Provider  | Name of the organization providing the launch (e.g. SpaceX, Arianespace, etc.)  |
| Launch Vehicle   | Name of the vehicle providing the launch (e.g. Falcon 9, Ariane 6, etc.)  |
| Launch Date  | If not yet launched, provide the current schedule or best estimate.   |
| Launch Name or Primary Payload   | If part of a rideshare, what is the primary payload and/or name of the launch, if any?  |
| Planned Orbit (initial and final if there will be an orbit change)   | Provide the apogee, perigee, and inclination. If there will be a secondary orbit change, such as with a space tug, give the method of the change and both initial and final orbits. |