

**Information Collected by TraCSS from Satellite Owner/Operators**

This is information collected about the organization when the admin registered in TraCSS. Entities should keep this information up to date.			
Organizational Information		Open Data?	Reason for collection
<i>Organizational contact information:</i>	This information focuses on the owner of the spacecraft.		
Organization name	Name of the organization registering on TraCSS	OPEN	Necessary for identification
Headquarters location (country/countries)	Organization headquarters location (country only). Multiple headquarters locations can be listed, if relevant. Spacecraft will be affiliated with the country in which the organization is headquartered.	OPEN	Necessary for determining country affiliation
Primary Contact information – position title, email, phone number	The primary representative for the organization's admin account has the ability to edit account information and to add/ remove other organizational users. This is the individual that would be contacted with any general inquiries for the organization (not emergency issues).	NOT Open	Necessary for identification
Sub-groups	The organization has the option to set up sub-groups within the organization to help organize and manage the account. These could represent teams within the organization, for example.	Not Open	Feature for organizing the account

<p>Additional organizational users (names, email addresses, phone numbers)</p>	<p>These are additional users that the admin adds to the account. These users may include additional organizational admins, sub-group admins, operators, and SSA service providers or other contractors (under contract). [When adding users, the admin will be able to set permissions, for example, determining who has write access and which users should receive "emergency notifications"]. Users can be assigned to sub-groups, if desired. Additional users can also be added at a later time.</p>	<p>Not Open</p>	<p>Necessary for identification</p>
<p><b>Spacecraft Information and Attributes</b></p>	<p><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.</b></p>	<p><b>Open Data?</b></p>	<p><b>Reason for collection</b></p>
<p>Satellite name</p>	<p>Common name used to refer to the satellite. [To avoid confusion, it is best to choose a unique satellite name. Existing satellite names can be found in the satellite catalog.]</p>	<p>OPEN</p>	<p>Necessary for identification/ UN Registration</p>
<p>Alternate name(s)</p>	<p>Any alternate names used to refer to the satellite</p>	<p>OPEN</p>	<p>Necessary for identification</p>
<p>NORAD ID (if already assigned)</p>	<p>If a NORAD ID has been assigned to the spacecraft, include it here. If a NORAD ID has not yet been assigned, TraCSS will assign a temporary ID.</p>	<p>OPEN</p>	<p>Necessary for identification</p>
<p>International designator/ COSPAR ID (if already assigned)</p>	<p>If an International Designator/ COSPAR ID has been created, include it here.</p>	<p>OPEN</p>	<p>Necessary for identification</p>

Owner/ operator organization	Automatically populated when satellite is added by an organizational user.	OPEN	Necessary for identification/ verification
Country of launch license	Which country licensed the satellite to launch?	OPEN	Necessary for determining country affiliation
Country providing communications license	Which country licensed the satellite to operate (communications)? [If applicable]	OPEN	Necessary for determining country affiliation
Country providing remote sensing/ novel activities license	Which country licensed the satellite for remote sensing (or novel activities)? [If applicable]	OPEN	Necessary for determining country affiliation
Country of UN Registry	Which country registered the spacecraft with the United Nations? [If known, available]	OPEN	Necessary for determining country affiliation
Constellation (if applicable)	Is the satellite part of a constellation? If yes, what is the name of the constellation?	OPEN	Helpful for coordination
Operational Status	Provide this information at registration, if it is available. This information will be automatically updated by OCM. [Dropdown Menu]: According to: <a href="https://sanaregistry.org/r/operational_status/">https://sanaregistry.org/r/operational_status/</a> + in-transit, etc. (Check OCM)	OPEN	Helpful for coordination
Orbit category	Include in registration, if relevant; Automatically updated by OCM. According to: <a href="https://sanaregistry.org/r/orbit_categories/">https://sanaregistry.org/r/orbit_categories/</a>	OPEN	Helpful for coordination
Total mass at launch	Total mass of the spacecraft at the time of launch. This value is used for fragmentation model input.	OPEN	Necessary for fragmentation calculation

Hard body radius [and method used for calculation]	The hard body radius should be calculated using a standard method; The method chosen should be specified. If the Hard Body Radius changes over the lifespan of the spacecraft (due to a deployment, for example), this value should be updated.	OPEN	Necessary for calculation of Pc
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 organization have the ability to implement for this spacecraft?	OPEN	Helpful for coordination
Expected operational mission lifetime (at launch)?	What is the expected lifespan of the spacecraft? This can be the value estimated at launch.	OPEN	Helpful for coordination
Estimated total time on orbit	What is the total expected time in orbit (including time in orbit after operations have ceased)? i.e. The period of time from launch until the object expected to deorbit?	OPEN	Helpful for coordination
Launch Provider	Name of the organization providing the launch (e.g. SpaceX, Arianespace, etc.)	OPEN	Necessary for identification/catalog maintenance
Launch Vehicle	Name of the vehicle providing the launch (e.g. Falcon 9, Ariane 6, etc.)	OPEN	Necessary for identification/catalog maintenance
Launch Location	Spaceport used for launch, including spaceport name and country [This should be a dropdown menu with an "other" option - match UN registry values]	OPEN	Needed for UN Registration

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Launch Date	If not yet launched, provide the current schedule or best estimate. After launch, the date should be updated to reflect the actual launch date.	OPEN	Necessary for identification/ UN Registration
Deployment date (if different than launch date)	If the deployment date is different than the launch date, the deployment date should be given. If not yet deployed, provide the current schedule or best estimate. After deployment, the date should be updated to reflect the actual deployment date.	OPEN	Necessary for identification/ catalog maintenance
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)	OPEN	Necessary for identification/ catalog maintenance
Launch Name or Primary Payload	If part of a rideshare, what is the primary payload and/or name of the launch, if any?	OPEN	Necessary for identification/ catalog maintenance
Planned Orbit (initial and final if there will be an orbit change)	Provide the nodal period, apogee (km), perigee (km), and inclination (deg). 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.	OPEN	Needed for UN Registration [This should be a dropdown menu with an "other" option - match UN registry values]

General Function	The general function of the spacecraft. Choose from: -spacecraft engaged in investigation of spaceflight techniques and technology -spacecraft engaged in research and exploration of the upper atmosphere or outer space -spacecraft engaged in practical applications and uses of space technology such as weather or communications -spent boosters, spent maneuvering stage, shrouds and other non-functional objects -reusable space transportation systems	OPEN	Needed for UN Registration
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> )	OPEN	Necessary for safety calculation
Operational notification contact (name and phone number(s))	This is the contact that should be used for routine and/or time-sensitive operational issues (e.g. coordinating on mitigation of a high risk conjunction)	NOT Open	Necessary for safety coordination
<b>OPERATIONAL Spacecraft Information and Attributes</b>	<b>This is information about the spacecraft collected on a regular basis, not just during registration.</b>	<b>Open Data?</b>	<b>Reason for collection</b>
O/o ephemerides with covariance and maneuver plans	OCM File	OPEN	
Candidate maneuvers	OCM File	NOT Open	
Operational Status	Field within the OCM (According to: <a href="https://sanaregistry.org/r/operational_status/">https://sanaregistry.org/r/operational_status/</a> + in-transit, etc.)	OPEN	Helpful for coordination

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Orbit category	Include in registration, if relevant; Automatically updated by OCM. According to: <a href="https://sanaregistry.org/r/orbit_categories/">https://sanaregistry.org/r/orbit_categories/</a>	OPEN	Helpful for coordination
Anomaly Reporting	Spacecraft operators are encouraged to report anomalies or non-nominal conditions affecting their spacecraft to TraCSS. The U.S. Government may use this information to ensure custody of the object is maintained. Spacecraft position information (e.g. TLEs) will continue to be shared via the TraCSS website on a regular cadence.	NOT Open	Helpful for coordination/catalog maintenance