

RAS Internal communication interface standards

Bart Boogmans, (others; add yourself)

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Date	Name	Description
2022-08-29	Bart Boogmans	Creation, initial layout, add namespace definitions

Table 1: Revision history of this document

Note: This is an early file version. Interfaces described in this document are prone to change.

1 Namespaces

The following identifiers are used for our vessels:

Model	Description	Identifier
TitoNeri	Light-blue Tito Neri	RAS_TN_LB
TitoNeri	Dark-blue Tito Neri	RAS_TN_DB
TitoNeri	Red Tito Neri	RAS_TN_RE
TitoNeri	Yellow Tito Neri	RAS_TN_YE
TitoNeri	Purple Tito Neri	RAS_TN_PU
TitoNeri	Green Tito Neri	RAS_TN_GR
TitoNeri	Orange Tito Neri	RAS_TN_OR
GreySeabax	The Grey-seabax	RAS_GS
Delfia-1*	Delfia 1	RAS_DF_1
Delfia-1*	Delfia 2	RAS_DF_2
Delfia-1*	Delfia 3	RAS_DF_3
Delfia-1*	Delfia 4	RAS_DF_4
Delfia-1*	Delfia 5	RAS_DF_5

2 ROS topics & message formats

For all topics, describe:

- topic names
- messagetypes
- meaning of parameters (e.g. if float32multiArray which elements mean what?)
- default units
- frame of reference
- notes
- standard variations: (e.g. pose as 3 or 6 DOF.) and how to distinct them, and when we generally use which one.

3 IP reservation

explain local network and vpn server protocols. explain how to connect to both.