

GOBIERNO DEL
PARAGUAY

AGENCIA ESPACIAL
DEL PARAGUAY



GUARANISAT-2

Project Overview



Overview of GUARANISAT-2 satellite

Project objectives



Promote project-based learning strategies to **increase Paraguay's space capacity**



Design, build, test, launch, and operate **Paraguay's second satellite**



Pave the way for a **sustainable Paraguayan space program**



Overview of GUARANISAT-2 satellite

Mission objectives

1

To provide UHF/VHF band communication services to the amateur radio community using a 3U CubeSat.

Amateur Mission

- ☐ APRS Payload Store&Forward and Digipeater (APRS) - **AEP/FPUNA/FIUNA**

Overview of GUARANISAT-2 satellite

Mission objectives

2

To foster student engagement in STEM projects through educational missions of interest to the amateur radio community.

Educational Missions

- ☐ South Anomaly Monitoring Unit (MUA) - **FIUNA**
- ☐ Sparrow SCP Carrier Card (SCC) - **JPL**



Overview of GUARANISAT-2 satellite

Mission objectives

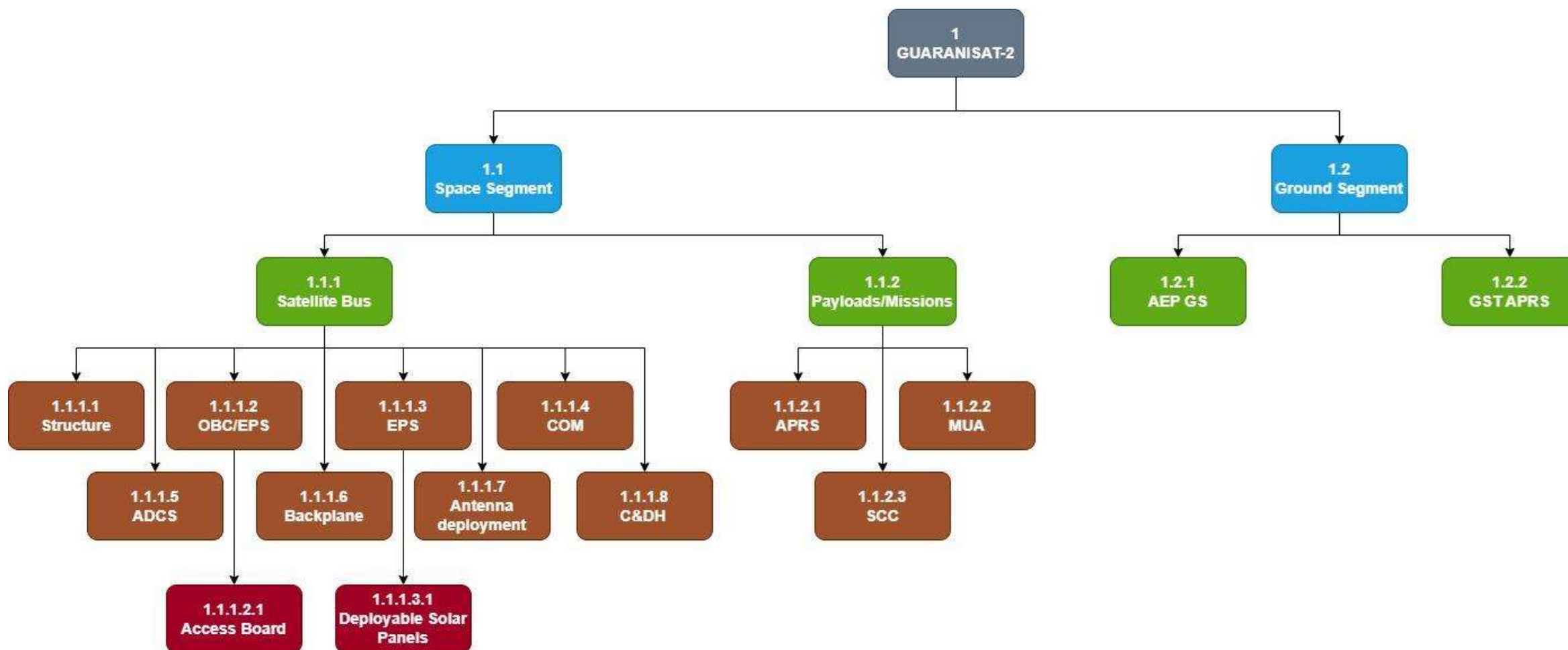
3

Adapt Kyutech's standard bus while improving its capabilities.

Our supply-chain system is immature for space's technologies stuffs!

Overview of GUARANISAT-2 satellite

Product Breakdown Structure (PBS)



Timeline

