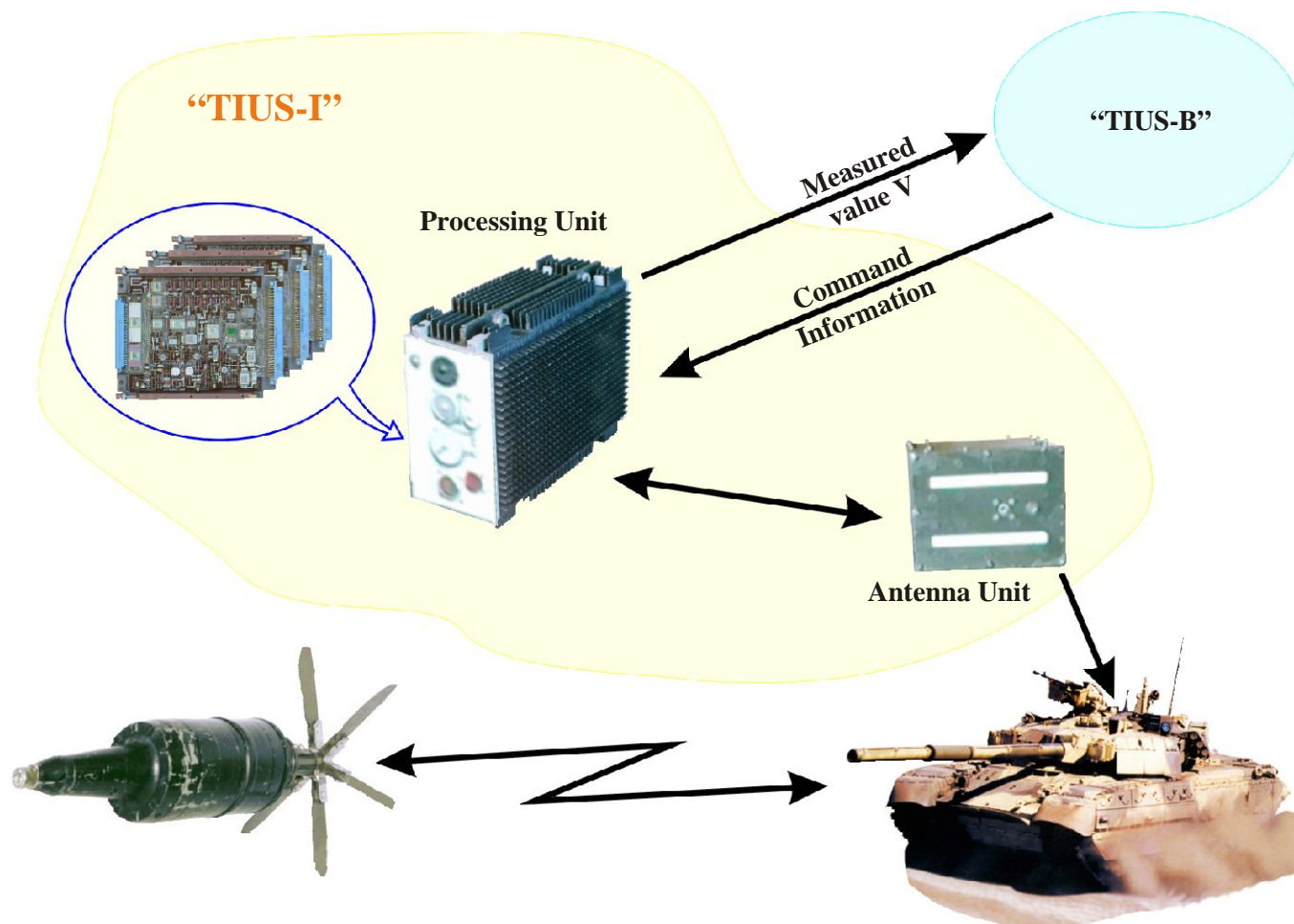


Designation

"TIUS-I" is designated to measure the firing speed of a projectile to be fired from the 30mm-155mm barrelled guns providing extremely high security and inference immunity due to the usage of the portion millimetric waves with the maximum atmospheric attenuation and provides recording of projectile actual velocity in the ballistic computer subsystem (TIUS-B).

"TIUS-I" MUZZLE VELOCITY RADAR SUBSYSTEM



Description

"TIUS-I" consist of processing unit and antenna unit with transmit/receive module

Main specifications:

- | | |
|---|------------------|
| 1) Measured speed range | 100m/s - 1125m/s |
| 2) Mean square relative error in measurement of speed | 0.05% |
| 3) Measurement sector: | |
| - azimuth | 2 degrees |
| - elevation | 20 degrees |