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ISRO debates NVS-03 satellite pyro valve configuration

ISRO is debating whether to launch the NVS-03 navigation satellite with its pyro valve open or closed to avoid a repeat of the NVS-02 failure.

NVS-03 is the third satellite in ISRO's second-generation navigation satellite series, designed to enhance India's navigation capabilities.

KEY EXAM POINTS

- **ISRO** is considering launching the **NVS-03 navigation satellite** with its **pyro valve open**.
- This consideration follows a **failure** experienced with the **NVS-02 satellite last year**.
- **NVS-03** is the **third satellite** in India's **second-generation navigation satellite series**.
- **Studies** are underway to assess the feasibility of an **open pyro valve configuration** for **NVS-03**.
- An **Apex Committee** had previously recommended measures after the **NVS-02 failure**.

DID YOU KNOW..!?

ISRO (**Indian Space Research Organisation**) is India's **national space agency**.

ISRO was founded on **August 15, 1969**.

Its headquarters are located in **Bengaluru**, **Karnataka**.

ISRO operates under the **Department of Space**, which reports directly to the **Prime Minister of India**.

The **NVS series** are **second-generation navigation satellites**, succeeding the **IRNSS/NavIC constellation**.

NavIC (**Navigation with Indian Constellation**) is India's independent **regional navigation satellite system**.

The first satellite of the second-generation series, **NVS-01**, was successfully launched on **May 29, 2023**.

The **NVS satellites** carry **L1, L5, and S band signals** for enhanced navigation services.

REVISION FLASHCARD

ISRO's NVS-03 is the third second-generation navigation satellite.

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