

# VITA 41 VSO Session

November 20, 2002

# Agenda

- **VITA 41 General Update (Bob Tufford) 10 min.**
- **RT-2 Test Data Presentation (Tim Minnick) 35 min.**
- **Alignment/Keying Presentation (Henry Wong) 15 min.**
- **Break for Lunch**
- **New Switch/Payload Board Pinout Proposals 30 min**  
**(Steve Paavola)**

# VITA 41 Update

Bob Tufford

November 20, 2002

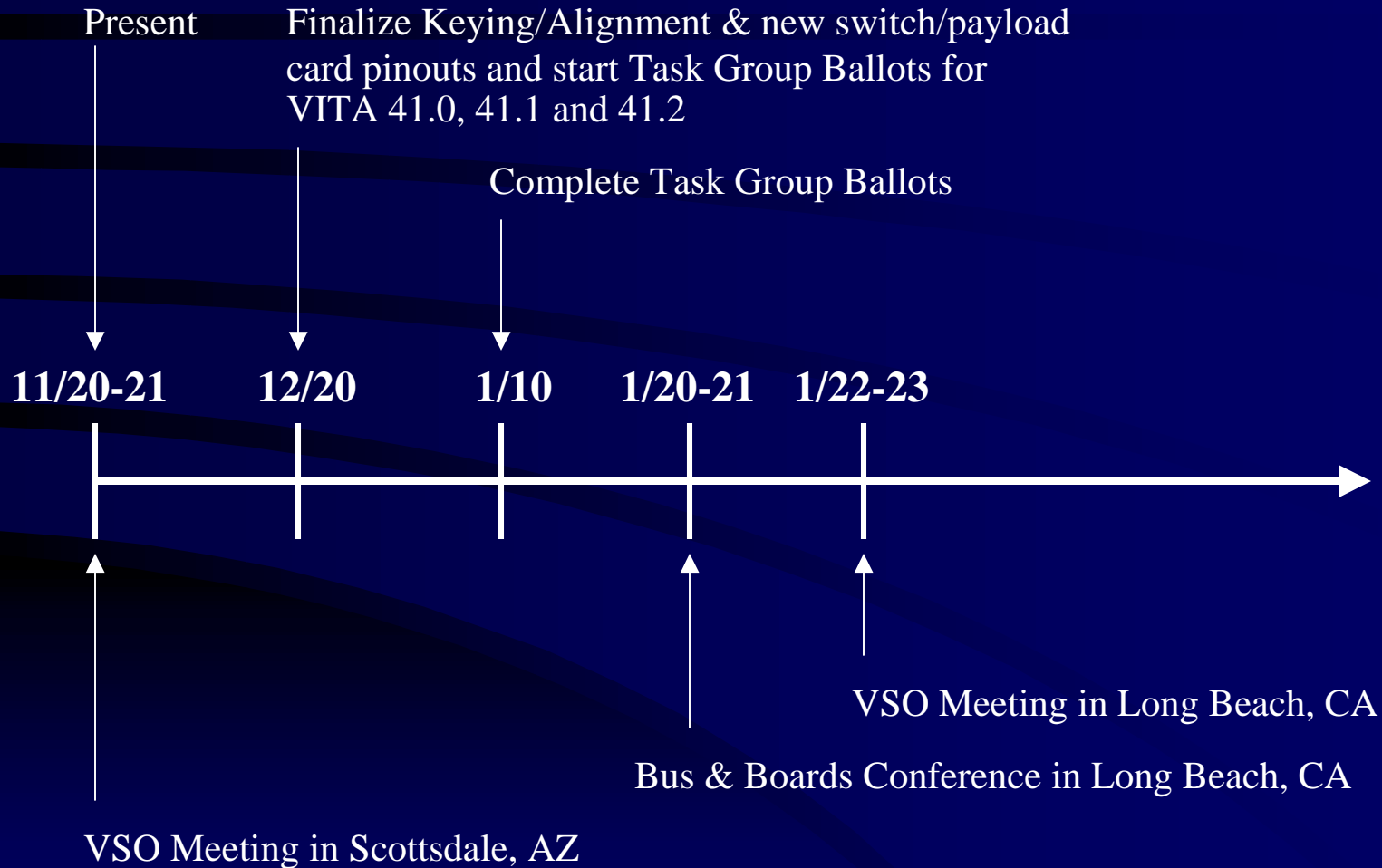
# Changes Since 9/22 VSO Meeting

- **Change from RT-3 to RT-2 Connectors on both the Switch & Payload Cards**
  - **Reason: Provides for greater pin density without sacrificing performance**
    - Additional pins gained will initially be designated as RFU (Reserved for future use)
    - Can be defined later for user I/O
    - Some applications may require VMEbus be routed to the Switch Card
  - **Dictates changes in the previous switch & payload card pin assignments**
  - **Affects VITA 41.0, 41.1, and 41.2 and requires reballoting**

# Changes Since 9/22 VSO Meeting

- **Change from RT-3 to RT-2 Connectors on both the Switch & Payload Cards (continued)**
  - 1.0” height RT-3 connectors on the switch cards change to 0.8” height RT-2 connectors
    - This allows switch card pitch to change from 1.2” to 0.8”
      - There is now room for 21-slots in a 19” chassis instead of the original 20-slots
- **Alignment/Keying Module Changes**

# VITA 41 Working Group Timeline



Note: Weekly conference calls will be held

# **RT-2 Connector Test Data Presentation**

**Tim Minnick**

**November 20, 2002**

# **Alignment/Keying Proposal Presentation**

Henry Wong

November 20, 2002

# **New Switch/Payload Board Pinout Proposals**

Steve Paavola

November 20, 2002

# Questions Going Forward

- What should be done with the room gained by changing the switch slot pitch from 1.2” to 0.8”?
  - Nothing?
  - Add an extra slot?
    - Could be used for a chassis controller
    - Problem: More pins will be consumed on the switch card for 2 more 4X links
- Should the option for adding VME to the switch card be considered?
- How do we integrate transition modules?