

SKR DATA (JSC OD) 9-19-02

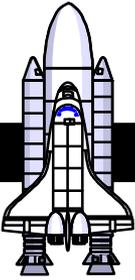
Monique McLamb

TA-B2-B

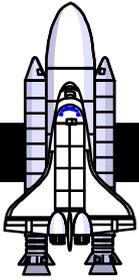
321-867-8540

SCOPE

9-19-02

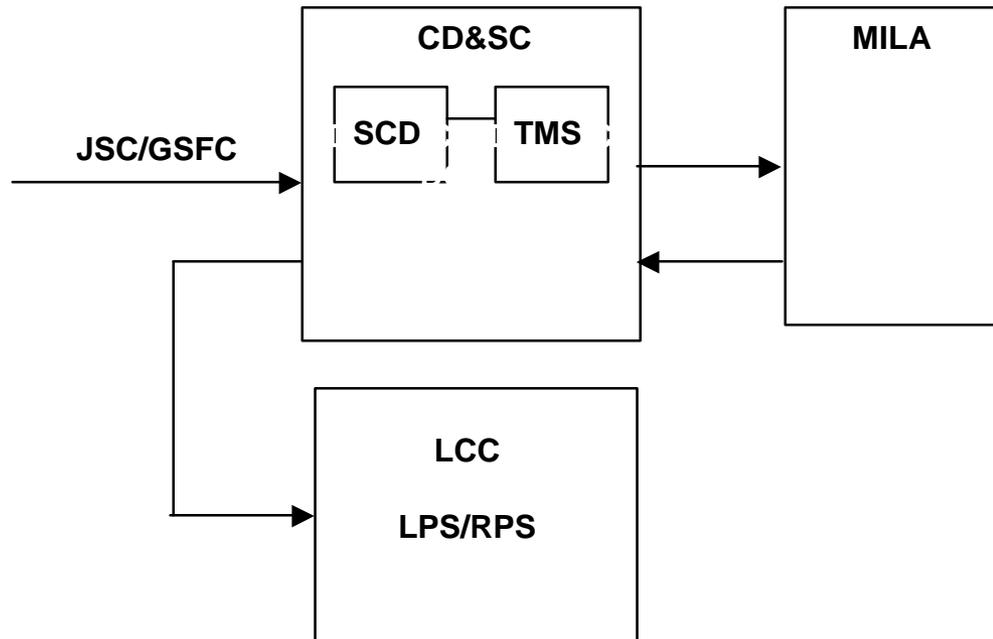


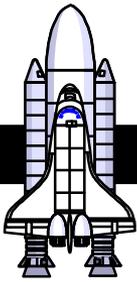
- **DUE TO MILA COMMERCIALIZATION EFFORTS KSC HAS BEEN ASKED TO LOOK AT THE SKR DATA PROCESSING.**
- **CURRENT AND TEST CONFIGURATIONS.**
- **AVAILABLE OPTIONS .**



CURRENT SKR CONFIGURATION

9-19-02



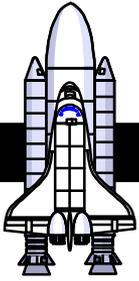


TEST OPTIONS

9-19-02

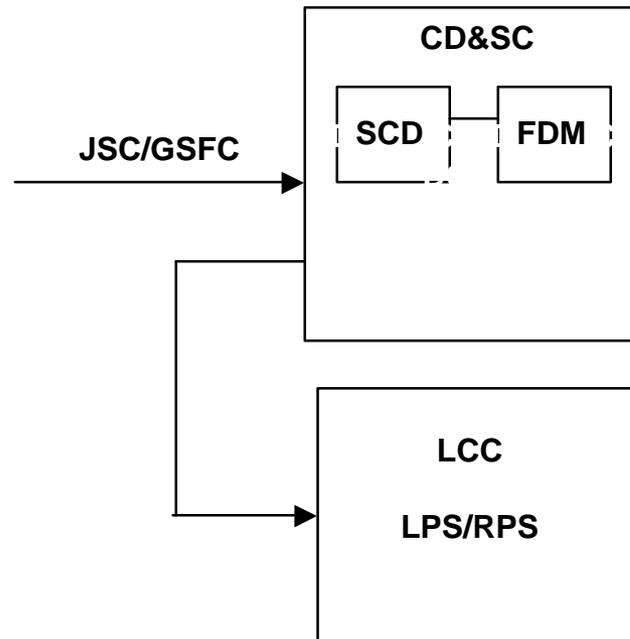


- **OPTION 1:**
CD&SC TO DE-BLOCK AND SEND NRZ-L TO LCC VIA WIDEBAND.
NRZ-L TO BI-PHASE-L CONVERSION TO BE PERFORMED BY LPS
- **OPTION 2:**
CD&SC TO DE-BLOCK AND SEND NRZ-L TO LCC VIA TMS.
NRZ-L TO BI-PHASE-L CONVERSION TO BE PERFORMED BY LPS.
- **OPTION 3:**
CD&SC TO DE-BLOCK AND CONVERT TO BI-PHASE-L AND SEND TO LCC
VIA WIDEBAND.
- **OPTION 4:**
NO CHANGE TO CURRENT CONFIGURATION

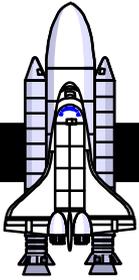


TEST CONFIGURATION

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**CONVERSION DEVICE AT CD&SC PERFORMED DE-BLOCKING
AND DATA CONVERSION FROM NRZ-L TO BI-PHASE-L**

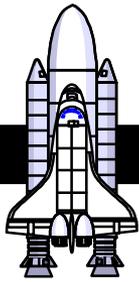


SKR TEST RESULTS

9-19-02



- **TEST PERFORMED ON 9/13/02.**
- **PER LPS/RPS, DATA WAS RECEIVED AND PROCESSED SUCCESSFULLY.**

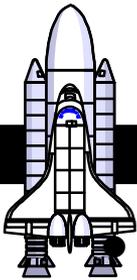


CONCERNS/IMPACTS

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- **ADDITIONAL KSC EQUIPMENT AND RESPONSIBILITIES**
- **CONVERSION DEVICE OWNED BY GFSC AND TROUBLESHOOTING CAPABILITIES DO NOT EXIST AT CD&SC**
- **OUT OF GSFC CD MANAGER SCOPE**
- **EMCC**
- **MILA TIMELINE SCHEDULE**
- **IDENTIFICATION OF ALL AFFECTED DATA CIRCUITS**



MISSION DATA

9-19-02



CONTROL ROOM 1 (MILA TO LPS)

- 6TVM4096 192K SKR
- 6TVM4786 72K U/L CMD VERIFY (C&T COMPARISON W/ MILA)
- 6TVM1729 960/1.024M OPS REC DUMPS
- 6TVM1726 192K ANTENNA / SKR AFTER T-0

● CONTROL ROOM 1 (LPS TO MILA)

- 6TVM1730 128K HARDLINE 128KBPS (GRD PROCESSING)
- 6TVM4095 72K CR COMMANDS (GRD PROCESSING)

● CONTROL ROOM 3 (MILA TO LPS)

- 6TVM4648 192K SKR
- 6TVM4787 72K U/L CMD VERIFY
- 6TVM4650 960/1.024 OPS REC DUMPS
- 6TVM4649 192K ANTENNA / SKR AFTER T-0

● CONTROL ROOM 3 (LPS TO MILA)

- 6TVM4647 128K HARDLINE 128 KBPS (GRDPROCESSING)
- 6TVM4646 72K CR COMMANDS (GRD PROCESSING)