

Radiogram No. 3223u

Form 24 for 08/20/2013

**ORLAN Preparation for EVA**

TIME	CREW	ACTIVITY
06:00-06:10	<b>CDR</b>	Morning Inspection Laptop RS2(1) Reboot
06:00-06:10	<b>FE-2</b>	Morning Inspection SM ПСС (Caution & Warning Panel) Test
06:00-06:10	FE-3, FE-5, FE-6	Morning Inspection
06:00-06:10	<b>FE-4</b>	Morning Inspection. RSS1, RSS2 Reboot
06:10-06:40		Post-sleep
06:40-07:25	FE-5	BREAKFAST
06:40-07:30	<b>CDR, FE-2, FE-3, FE-4, FE-6</b>	BREAKFAST
07:25-07:30	FE-5	Skin B Experiment Reminder
07:30-07:40	<b>CDR</b>	CASKAD. Manual Mixing in Bioreactor
07:30-07:40	<b>FE-2</b>	Terminate charging Orlan 825M3 pack 2 ( <b>No. 1268861162</b> )
07:30-07:45	FE-3, <b>FE-4</b> , FE-5, FE-6	Work Prep
07:40-07:45	<b>CDR, FE-2</b>	Work Prep
07:45-08:10		Daily Planning Conference ( <i>S-band</i> )
08:10-09:40	<b>CDR</b>	Life On The Station Photo and Video
08:10-09:20	<b>FE-2</b>	VELO Exercise, Day 1
08:10-09:25	FE-3	Node 3 Condensate Line Sample
08:10-09:10	<b>FE-4</b>	Orlan No. 4, БСС (Orlan Interface Unit) leak checks and valve tests
08:10-11:25	FE-5	Crew Quarters Cleaning
08:10-09:10	FE-6	T2 Exercise
09:10-10:40	FE-6	ARED Exercise
09:20-09:30	<b>FE-2, FE-4</b>	Battery Installation in Orlan Telemetry Unit (БПТА)
09:25-09:35	FE-3	CIR - Hardware Setup
09:30-09:40	<b>FE-4</b>	ПхО БК-3М Oxygen Tank Pressure Check
09:40-09:50	<b>FE-2</b>	ДПН. Preparation for СУБА and СБИ cable reconnection for ДПН
09:40-10:20	<b>CDR</b>	Network and Computer Hardware Audit
09:40-09:50	<b>FE-4</b>	DC1 БК-3М Oxygen Tank Pressure Check
09:50-10:00	<b>FE-2</b>	<b>On MCC GO</b> ДПН. СУБА and СБИ cable reconnection for ДПН. <i>Tagup with specialists (S-band)</i>
09:50-10:40	FE-3	Water sampling from WPA tank
09:50-11:20	<b>FE-4</b>	БД-2 Exercise - Day 1
10:00-10:10	<b>FE-2</b>	ДПН. Closeout Ops after СУБА and СБИ cables reconnection for ДПН
10:20-11:20	<b>FE-2</b>	Orlan No. 6, БСС (Orlan Interface Unit) leak check and valve tests
10:20-10:30	<b>CDR</b>	VIRU. Photo Spectral System (ФСС) Battery Charge (start)

10:40-12:10	<b>CDR</b>	ARED Exercise
10:40-12:45	FE-6	FPEF - IR. Imager Replacement
10:45-11:15	FE-3	USND2 - Hardware Checkout before the Experiment
11:15-13:20	FE-3	SPINAL - Scanning Ops
11:20-11:30	<b>FE-2</b>	Orlan Comm Configuration
11:30-12:00	<b>FE-2, FE-4</b>	Orlan and ECC Telemetry Check. Orlan comm check and medical parameter test /
11:30-11:45	FE-5	Private Medical Conference
11:45-13:20	FE-5	SPINAL - Ultrasound Scan Operations
12:00-13:20	<b>FE-4, FE-2-assists</b>	Orlan suit No. 4 adjustment check
12:10-13:10	<b>CDR</b>	ПФ1-4 Dust Filter Cartridge Replacement in SM ( <b>ФГБ1ПГО_2_224_1 bag 419-17. Reflect changes in IMS</b> )
12:45-12:55	FE-6	SURFACE. SSC Relocation
12:55-13:55	FE-6	LUNCH
13:10-13:20	<b>CDR</b>	OBSTANOVKA. Download of Obstanovka P/L Data from БСПН to RSS1 (start)
13:20-14:20	<b>CDR, FE-4, FE-5</b>	LUNCH
13:20-13:30	<b>FE-2</b>	Comm reconfig after Orlan Comm. Check
13:20-13:30	FE-3	PAO Hardware Setup
13:30-14:20	<b>FE-2</b>	LUNCH
13:30-13:40	FE-3	Crew Prep for PAO
13:40-14:00	FE-3	PAO Event
13:55-14:10	FE-6	SURFACE. Printout and Review the Experiment
14:00-15:00	FE-3	LUNCH
14:10-14:50	FE-6	SURFACE. Telerobotics GUI Training
14:20-14:40	<b>CDR</b>	MATRYOSHKA-R. Monitoring Lulin-5 readings
14:20-15:50	<b>FE-2, FE-4</b>	Gather EVA Equipment and Tools. Photography, Photo Downlink. <i>Tagup with specialists (as necessary)</i>
14:20-14:45	FE-5	WRM - Condensate Pumping Initiation
14:40-15:45	<b>CDR</b>	VIRU. Conduct the experiment using Photo Spectral System (ФСС) Hardware. <i>Tagup with specialists (S-band)</i>
14:50-15:05	FE-6	SURFACE. Crew conference
15:00-15:10	FE-3	USND2 - Ultrasound 2 Rack Power Off
15:05-17:05	FE-6	SURFACE. Session 1 Ops
15:15-15:35	FE-3	WRM - Terminate Condensate Pumping
15:35-17:05	FE-3	ARED Exercise
15:35-16:05	FE-5	Psychological Evaluation Program (WinSCAT)
15:45-15:55	<b>CDR</b>	VIRU. Fill out and Downlink VIRU Log Sheet
15:50-17:05	<b>FE-2</b>	БД-2 Exercise - Day 1
15:50-16:05	<b>FE-4</b>	БК-3М Replacement

15:55-16:15	<b>CDR</b>	IMS Update
16:05-17:05	<b>FE-4</b>	VELO Exercise, Day 1
16:05-17:05	FE-5	CEVIS Exercise
16:15-16:35	<b>CDR</b>	Evening Work Prep
16:35-16:50	<b>CDR</b>	Private Medical Conference ( <i>Ku + S-band</i> )
16:50-17:25	<b>CDR</b>	COЖ Maintenance
17:05-18:35	<b>FE-2, FE-4</b>	Gather EVA Equipment and Tools. Photography, Photo Downlink. <i>Tagup with specialists (as necessary)</i>
17:05-18:05	FE-3	CEVIS Exercise
17:05-18:35	FE-5	ARED Exercise
17:05-17:20	FE-6	Private Psychological Conference
17:25-18:25	<b>CDR</b>	БД-2 Exercise - Day 2
17:55-18:25	FE-6	SURFACE. Crew Debrief
18:05-18:35	FE-3	Psychological Evaluation Program (WinSCAT)
18:25-18:35	FE-6	SURFACE. SSC Relocation
18:25-18:35	<b>CDR</b>	OBSTANOVKA. Download of Obstanovka P/L Data from БСПН to RSS1 (termination)
18:35-19:00		Daily Planning Conference ( <i>S-band</i> )
19:00-19:10	<b>CDR</b>	CASKAD. Manual Mixing in Bioreactor
19:00-19:30	<b>FE-2, FE-3, FE-4, FE-5, FE-6</b>	Evening Work Prep
19:10-19:30	<b>CDR</b>	Evening Work Prep
19:30-21:30	<b>CDR, FE-2, FE-3, FE-4, FE-6</b>	Pre-sleep
19:30-21:25	FE-5	Pre-sleep
21:25-21:30	FE-5	Reading REMINDER
21:30-06:00		SLEEP
<b>Task List</b>	<b>CDR, FE-2, FE-4</b>	URAGAN. Observations and Photography
		ECON-M. Observations And Photography
		Preparation of reports for Roskosmos site
	<b>CDR, FE-2</b>	Personal Data Prep on SSC for Crew Return

**Notes:**

1. SM Window No. 9 shutter opening is at crew discretion w/ **Report to MCC**
  2. See OSTPV for references to US activities.
  3. Pre-sleep ops: daily food prep, dinner, pre-sleep
  4. Russian crew uses US exercise equipment strictly per F24 or OSTPV
  5. **Tagups with specialists during all Orlan prep for EVA activities (VHF, S-band)**
- End of Radiogram