

SMM/ODM Comparison		
Content:	SMM	OCM
Acceleration (fixed; Epoch, AX, AY, AZ )	•	•
Acceleration time history w/interpolation		•
Angular acceleration	•	
Attitude mode ( $\Delta V$ mode, $\Delta H$ mode)	•	
Delta Inertia (Epoch, IXX, IXY, IXZ)	•	
Desired change in orbit or attitude params	•	Orbit: Yes Attitude: No (unless accompanied by ADM)
Duration or stop epoch	•	•
Expression of multiple manuevers w/in single message	•	•
Finite burn (fixed with thrust (in X, Y, Z), Isp, efficiency)	•	•
Finite burn time history with thrust (in X, Y, Z), Isp, efficiency		•
Info on other actuators required to maneuver	•	
Parent/child $\Delta V$ deployment		•
Propulsion system configuration	•	
Propulsion system mode	•	
Propulsion system pressure	•	
Propulsion system temperature	•	
Propulsion duty cycles	•	•
Propulsion thrusters used	•	•
Pulse width, jet start angle	•	•
Spacecraft mass at beginning & end of maneuver	•	•
Start of maneuver	•	•
Thrust scale factor (efficiency)	•	•
Torque (Epoch, X_TORQ, Y_TORQ, Z_TORQ )	•	
Type of thrusters used (axial, radial, etc)	•	
$\Delta$ (Angular Momentum)	•	
$\Delta V$ Magnitude/direction in one of many coord frames	•	•