Bit(s)	
B31…30	Fixed supply
B29	Dual-Role Power
B28	USB Suspend Supported
B27	Unconstrained Power
B26	USB Communications Capable
B25	Dual-Role Data
B24	Unchunked Extended Messages Supporte
B23	EPR Mode Capable
B22	***Reserved*** – ***Shall*** be set to zero.
B21…20	Peak Current
B19…10	Voltage in 50mV units
B9…0	Maximum Current in 10mA units

Table 6-16 Fixed Supply P

Bit(s)	D
B31…30	Fixed supply
B29	Dual-Role Power
B28	Higher Capability
B27	Unconstrained Power
B26	USB Communications Capable
B25	Dual-Role Data
B24…23	Fast Role Swap required USB Type-C®
B22…20	***Reserved*** – ***Shall*** be set to zero.
B19…10	Voltage in 50mV units
B9…0	Operational Current in 10mA units

Value	Descrip
00b	Fast Swap not supported (
01b	Default USB Power
10b	1.5A @ 5V
11b	3.0A @ 5V

Table 6-11 Variable Supply (non-B

Bit(s)	Descrip
B31…30	Variable Supply (non-Battery)
B29…20	Maximum Voltage in 50mV units
B19…10	Minimum Voltage in 50mV units
B9…0	Maximum Current in 10mA units

Table 6-17 Variable Supply (non-B

Bit(s)	Descript
B31…30	Variable Supply (non-Battery)
B29…20	Maximum Voltage in 50mV units
B19…10	Minimum Voltage in 50mV units

Bit(s)	Descrip
B9…0	Operational Current in 10mA units

Table 6-12 Battery Supply

Bit(s)	Desc
B31…30	Battery
B29…20	Maximum Voltage in 50mV units
B19…10	Minimum Voltage in 50mV units
B9…0	Maximum Allowable Power in 250mW units

Table 6-18 Battery Supply

Bit(s)	Descrip
B31…30	Battery
B29…20	Maximum Voltage in 50mV units
B19…10	Minimum Voltage in 50mV units
B9…0	Operational Power in 250mW units

Table 6-13 SPR Programmable Pow

Bit(s)	Des
B31…30	11b – Augmented Power Data Object (APDO)
B29…28	00b – SPR Programmable Power Supply
B27	PPS Power Limited
B26…25	***Reserved*** – ***Shall*** be set to zero
B24…17	Maximum Voltage in 100mV increments
B16	***Reserved*** – ***Shall*** be set to zero
B15…8	Minimum Voltage in 100mV increments
B7	***Reserved*** – ***Shall*** be set to zero
B6…0	Maximum Current in 50mA increments

Table 6-19 Programmable Power S

Bit(s)	Descrip
B31…30	11b – Augmented Power Data Object (APDO)
B29…28	00b – SPR Programmable Power Supply
B27…25	***Reserved*** – ***Shall*** be set to zero
B24…17	Maximum Voltage in 100mV increments
B16	***Reserved*** – ***Shall*** be set to zero
B15…8	Minimum Voltage in 100mV increments
B7	***Reserved*** – ***Shall*** be set to zero
B6…0	Maximum Current in 50mA increments

Table 6-14 EPR Adjustable Voltag

Bit(s)	Des
B31…30	11b – Augmented Power Data Object (APDO)
B29…28	01b – EPR Adjustable Voltage Supply
B27…26	Peak Current (see Table 6-15)
B25…17	Maximum Voltage in 100mV increments
B16	Reserved – Shall be set to zero
B15…8	Minimum Voltage in 100mV increments
B7…0	PDP in 1W increments

Table 6-20 EPR Adjustable Voltage S

Bit(s)	Description
B31…30	11b – Augmented Power Data Object (APDO)
B29…28	01b – EPR Adjustable Voltage Supply
B27…26	Reserved – ***Shall*** be set to zero
B25…17	Maximum Voltage in 100mV increments
B16	Reserved – ***Shall*** be set to zero
B15…8	Minimum Voltage in 100mV increments
B7…0	PDP in 1W increments

RDOs

Table 6-21 Fixed and Variable Request Data Object

Bits	Description
B31…28	Object position (0000b and 1110b…1111b are ***Reserved*** and ***Shall Not*** be used)
B27	GiveBack flag = 0
B26	Capability Mismatch
B25	USB Communications Capable
B24	No USB Suspend
B23	Unchunked Extended Messages Supported
B22	EPR Mode Capable

boo

Bits	Description
B21…20	***Reserved*** - ***Shall*** be set to zero.
B19…10	Operating current in 10mA units
B9…0	Maximum Operating Current 10mA units

Table 6-22 Fixed and Variable Request Data Object with GiveBack Support

Bits	Description
B31…28	Object position (0000b and 1110b…1111b are ***Reserved*** and ***Shall Not*** be used)
B27	GiveBack flag =1
B26	Capability Mismatch
B25	USB Communications Capable
B24	No USB Suspend
B23	Unchunked Extended Messages Supported
B22	EPR Mode Capable
B21…20	***Reserved*** - ***Shall*** be set to zero.
B19…10	Operating Current in 10mA units
B9…0	Minimum Operating Current 10mA units

Table 6-23 Battery Request Data Object

Bits	Description
B31…28	Object position (0000b and 1110b…1111b are ***Reserved*** and ***Shall Not*** be used)
B27	GiveBackFlag = 0
B26	Capability Mismatch
B25	USB Communications Capable
B24	No USB Suspend
B23	Unchunked Extended Messages Supported
B22	EPR Mode Capable
B21…20	***Reserved*** - ***Shall*** be set to zero.
B19…10	Operating Power in 250mW units
B9…0	Maximum Operating Power in 250mW units

Table 6-24 Battery Request Data Object with GiveBack Support

Bits	Description
B31…28	Object position (0000b and 1110b…1111b are ***Reserved*** and ***Shall Not*** be used)
B27	GiveBackFlag = 1
B26	Capability Mismatch
B25	USB Communications Capable
B24	No USB Suspend
B23	Unchunked Extended Messages Supported
B22	EPR Mode Capable
B21…20	***Reserved*** - ***Shall*** be set to zero.
B19…10	Operating Power in 250mW units
B9…0	Minimum Operating Power in 250mW units

Table 6-25 PPS Request Data Object

Bits	Description
B31…28	Object position (0000b and 1110b…1111b are ***Reserved*** and ***Shall Not*** be used)
B27	***Reserved*** – ***Shall*** be set to zero
B26	Capability Mismatch
B25	USB Communications Capable
B24	No USB Suspend
B23	Unchunked Extended Messages Supported
B22	EPR Mode Capable
B21	***Reserved*** - ***Shall*** be set to zero.
B20…9	Output Voltage in 20mV units.
B8…7	***Reserved*** - ***Shall*** be set to zero.
B6…0	Operating Current 50mA units

Table 6-26 AVS Request Data Object

Bits	Description
B31…28	Object position (0000b and 1110b…1111b are ***Reserved*** and ***Shall Not*** be used)
B27	***Reserved*** – ***Shall*** be set to zero
B26	Capability Mismatch
B25	USB Communications Capable
B24	No USB Suspend
B23	Unchunked Extended Messages Supported
B22	EPR Mode Capable
B21	***Reserved*** - ***Shall*** be set to zero.
B20…9	Output Voltage in 25mV units, the least two significant bits ***Shall*** be set to zero making the effective voltage step size 100mV.
B8…7	***Reserved*** - ***Shall*** be set to zero.
B6…0	Operating Current 50mA units

The end.