Fixed supply
Dual-Role Power
USB Suspend Supported
Unconstrained Power
USB Communications Capable
Dual-Role Data
Unchunked Extended Messages Supporte
EPR Mode Capable
Reserved – Shall be set to zero.
Peak Current
Voltage in 50mV units
Maximum Current in 10mA units

B31..30:

00b: Fixed; 01b: Battery; 02b: Variable

Table 6-11 Variable Supply (non-B

Bit(s)		Descrip
B3130	Variable Supply (non-Battery)	
B2920	Maximum Voltage in 50mV units	
B1910	Minimum Voltage in 50mV units	
B90	Maximum Current in 10mA units	

Table 6-12 Battery Supply

Bit(s)	Desc
B3130	Battery
B2920	Maximum Voltage in 50mV units
B1910	Minimum Voltage in 50mV units
B90	Maximum Allowable Power in 250mW units

Table 6-13 SPR Programmable Pow

Bit(s)		Des
B3130	11b – Augmented Power Data Object (APDO)	
B2928	00b – SPR Programmable Power Supply	
B27	PPS Power Limited	
B2625	Reserved – Shall be set to zero	
B2417	Maximum Voltage in 100mV increments	
B16	Reserved – Shall be set to zero	
B158	Minimum Voltage in 100mV increments	
B7	Reserved - Shall be set to zero	
B60	Maximum Current in 50mA increments	

Table 6-16 Fixed Supply F

Bit(s)		D		
B3130	Fixed sup	oply		
B29	Dual-Rol	e Power		
B28	Higher C	apability		
B27	Unconst	rained Power		
B26	USB Com	nmunications Capable		
B25	Dual-Rol	e Data		
B2423	Fast Role	Fast Role Swap required USB Type-C*		
	Value Descrip			
	00b	Fast Swap not supported (
	01b	Default USB Power		
	10b	1.5A @ 5V		
	11b	11b 3.0A @ 5V		
B2220	Reserve	d – Shall be set to zero.		
B1910	Voltage i	n 50mV units		
B90	Operational Current in 10mA units			

Table 6-17 Variable Supply (non-B

Bit(s)		Descript
B3130	Variable Supply (non-Battery)	
B2920	Maximum Voltage in 50mV units	
B1910	Minimum Voltage in 50mV units	

Bit(s)		Descrip
B90	Operational Current in 10mA units	

Table 6-18 Battery Supply

Bit(s)		Descrip
B3130	Battery	
B2920	Maximum Voltage in 50mV units	
B1910	Minimum Voltage in 50mV units	
B90	Operational Power in 250mW units	

Table 6-19 Programmable Power S

Bit(s)		Descrip
B3130	11b – Augmented Power Data Object (APDO)	
B2928	00b – SPR Programmable Power Supply	
B2725	Reserved – Shall be set to zero	
B2417	Maximum Voltage in 100mV increments	
B16	Reserved – Shall be set to zero	
B158	Minimum Voltage in 100mV increments	
B7	Reserved - Shall be set to zero	
B60	Maximum Current in 50mA increments	

Table 6-14 EPR Adjustable Voltag

Bit(s)		Des
B3130	11b – Augmented Power Data Object (APDO)	
B2928	01b – EPR Adjustable Voltage Supply	
B2726	Peak Current (see Table 6-15)	
B2517	Maximum Voltage in 100mV increments	
B16	Reserved – Shall be set to zero	
B158	Minimum Voltage in 100mV increments	
B70	PDP in 1W increments	

Bit(s)	Description
B3130	11b – Augmented Power Data Object (APDO)
B2928	01b – EPR Adjustable Voltage Supply
B2726	Reserved – Shall be set to zero
B2517	Maximum Voltage in 100mV increments
B16	Reserved – Shall be set to zero
B158	Minimum Voltage in 100mV increments
B70	PDP in 1W increments

RDOs

Table 6-21 Fixed and Variable Request Data Object

Bits	Description
B3128	Object position (0000b and 1110b1111b are <i>Reserved</i> and <i>Shall Not</i> 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

Bits	Description
B2120	Reserved - Shall be set to zero.
B1910	Operating current in 10mA units
B90	Maximum Operating Current 10mA units

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

Bits	Description
B3128	Object position (0000b and 1110b1111b 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
B2120	Reserved - Shall be set to zero.
B1910	Operating Current in 10mA units
B90	Minimum Operating Current 10mA units

Table 6-23 Battery Request Data Object

Bits	Description
B3128	Object position (0000b and 1110b1111b are <i>Reserved</i> and <i>Shall Not</i> 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
B2120	Reserved - Shall be set to zero.
B1910	Operating Power in 250mW units
B90	Maximum Operating Power in 250mW units

Table 6-24 Battery Request Data Object with GiveBack Support

Bits	Description
B3128	Object position (0000b and 1110b1111b are <i>Reserved</i> and <i>Shall Not</i> 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
B2120	Reserved - Shall be set to zero.
B1910	Operating Power in 250mW units
B90	Minimum Operating Power in 250mW units

Table 6-25 PPS Request Data Object

Bits	Description
B3128	Object position (0000b and 1110b1111b are <i>Reserved</i> and <i>Shall Not</i> 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.
B209	Output Voltage in 20mV units.
B87	Reserved - Shall be set to zero.
B60	Operating Current 50mA units

Table 6-26 AVS Request Data Object

Bits	Description
B3128	Object position (0000b and 1110b1111b are <i>Reserved</i> and <i>Shall Not</i> 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.
B209	Output Voltage in 25mV units, the least two significant bits Shall be set to zero making the effective voltage step size 100mV.
B87	Reserved - Shall be set to zero.
B60	Operating Current 50mA units

The end.