Original Table 4-1 (from Part 1)

Table 4-1 Request Packet Type to Transaction Type Cross Reference

Request Packet Format Type	Transaction Type	Definition	Document Section No.
Type 0	Implementation-defined	Defined by the device implementation	Section 4.1.3
Type 1	_	Reserved	Section 4.1.4
Type 2	ATOMIC set	Read-write 1s to specified address	Section 4.1.5
	ATOMIC clear	Read-write 0s to specified address	
	ATOMIC increment	Read-increment-write to specified address	
	ATOMIC decrement	Read-decrement-write to specified address	
	NREAD	Read specified address	
Type 3-4	_	Reserved	Section 4.1.6
Type 5	ATOMIC test-and-swap	Read-test=0-swap-write to specified address	Section 4.1.7
	ATOMIC swap	Read-write to specified address	
	ATOMIC compare-and-swap	Read-test=first data-write second data to specified address	
	NWRITE	Write specified address	
	NWRITE_R	Write specified address, notify source of completion	
Type 6	SWRITE	Write specified address	Section 4.1.8
Type 7	_	Reserved	Section 4.1.9
Type 8	MAINTENANCE	Read or write device configuration registers and perform other system maintenance tasks	Section 4.1.10
Type 9-11	_	Reserved	Section 4.1.11

Reagan's Suggested Changes to Table 4-1 (from Part 1)

ftype	Description	ttype	Description	Payload
0	Implementation-Defined			
1	Intervention-Request Class	0	READ_OWNER	No
		1	READ_TO_OWN_OWNER	
		2	IO_READ_OWNER	
		3-15	Reserved	
		0	READ_HOME	-
		1	READ_TO_OWN_HOME	
		2	IO_READ_HOME	
		3	DKILL_HOME	
		4	NREAD transaction	
		5	IKILL_HOME	No
		6	TLBIE	
2	Request class	7	TLBSYNC	
		8	IREAD_HOME	
		9	FLUSH without data	
		10	IKILL_SHARER	
		11	DKILL_SHARER	
		12	ATOMIC inc: post-increment the data	
		13	ATOMIC dec: post-decrement the data	
		14	ATOMIC set: set the data (write 0b11111)	
		15	ATOMIC clr: clear the data (write 0b00000)	
3	Reserved			
4	Reserved			
	Write Class	0	CASTOUT	Yes
5		1	FLUSH with data	
		2-3	Reserved	
		4	NWRITE transaction	
		5	NWRITE_R transaction	

ftype	Description	ttype	Description	Payload
		6-11	Reserved	
		12	ATOMIC swap: read and return the data, unconditionally write with supplied data.	
		13	ATOMIC compare-and-swap: read and return the data, if the read data is equal to the first 8 bytes of data payload, write the second 8 bytes of data to the memory location	
		14	ATOMIC test-and-swap: read and return the data, compare to 0, write with supplied data if compare is true	
		15	Reserved	
6	Streaming-Write Class	N/A		Yes
7	Flow Control Class	N/A		No
		0	Maintenance read request	No
	Maintenance Class	1	Maintenance write request	Yes
8		2	Maintenance read response	Yes
		3	Maintenance write response	No
		4	Maintenance port-write request	Yes
		5-15	Reserved	
9	Data-Streaming Class	N/A		Yes
10	Doorbell Class	N/A		Yes
11	Message Class	N/A		Yes
12	Reserved			
13	Response Class	0	RESPONSE transaction with no data payload, including DOORBELL response	No
		1	MESSAGE RESPONSE transaction	No
		2-7	Reserved	
		8	RESPONSE transaction with data payload	Yes
		9-15	Reserved	
14	Reserved			
15	Implementation-Defined			