

Defects submitted against k/uDAPL-1.1 specification (April 30, 2003) & k/uDAPL-1.2 specification (July 22, 2004)																		
Change Tracking Number	Group Number	Change Type	Title	Owner	Subsection	Page	Line	Assigned Severity	Problem Description	Problem Resolution	Status	Original Text	Corrected Text	Submitter	Submission Date	Resolution Date	Which spec release	
									1 is the highest, 5 is the lowest.									
	1	New Proposal	Query IA_address	Arkady				4	Define new API to query IA_Address	Postpone after DAPL-2.0	Open	N/A	N/A	Arkady	6/21/2002		post 2.0	
75	Description clarification	spec	async EVD for ia_open	Arkady	Chapter 6			1	Spec is not clear on async EVD. We need to cover 4 scenarios. A. Provider create async EVD per Consumer request (NULL_Handle). This works now. B. Consumer specifies DAT_EVD_ASYNC_EXISTS. There are 2 scenarios hiding here. One is the case when async EVD does exist somewhere. The return DAT_EVD_OUT_OF_SCOPE need further clarification. The other case when Consumer means that it does not care about async events at all. This case while possible but not explicitly covered by DAT_EVD_ASYNC_EXISTS. C. Passing an existing handle. There is an issue where Consumer got it. This must be in the same process space.	Postpone after DAPL-2.0	Open	N/A	Whatever way we want to clarify this we should split async EVD into two EVDs and add one more event stream. The async events should be split into affiliated and non-affiliated events. Only non-affiliated one can be shared. Consumer should be able to specify if does not care of affiliated events. Only this ia_handle can get affiliated events associated with this handle. This will bring IT API and DAT closer together.	Randy Smith	5/16/2003		post 2.0 (this is large ticket item. Can be moved of 2.0 but will require some time to fix and agree on it)	
76	Description clarification	spec	Invalid_parameter for connect	Arkady	Chapter 6			2	Not clear what Implementation should do when mismatched ORDIRD for CR are passed on Accept? Do we generate InvalidParameter and let Consumer change them? And if Consumer can not Consumer can Reject it. Or Implementation just generate MAD for another side and connection is not established and Consumer gets Connection Completion Error		Closed		Arkady	6/3/2003	10/27/2006		post 2.0	
89	Description clarification	Chapter 6	DAT_EP_STATE_COMPLETION_PENDING	Castin	Chapter 6		115 & bottom of 118	4	was trying to figure out what DAT_EP_STATE_COMPLETION_PENDING is all about, and I finally found it in the Endpoint Lifecycle state diagram. The box is in purple, but it should be yellow. On TCP/IP, an Accept will move you directly to CONNECTED, potentially, so the state never really exists. I still think it should be in yellow, with a note somewhere to this effect (if you don't think your bullet points on pg 118 are enough). Yellow denotes states, purple denotes actions. I claim that even though you may never actually be in this state, it is still a valid state and should be properly called out as such.		Closed			Steve Sears	7/15/2003	10/27/2006		2.0 (CM)
92	Description clarification	Chapter 6	ia_handle for lmr_create but not lmr_create	Arkady	Chapter 6			5	Why does dat_lmr_create require ia_handle to be passed as an argument and why dat_lmr_create does not require ia_handle ? If dat_lmr_create does require ia_handle can it get from pa_handle ?		Closed		Maha	7/21/2003	10/27/2006		post 2.0	
97	Description clarification	Chapter 6	sync vs async	Arkady	Chapter 6	144	29	3	I have a question about ep_connect. The 1.1 spec says that it is supposed to be synchronous, does that mean ep_connect can block until the specified timeout expires? If this is not true, then what is synchronous about ep_connect? What it means that connect call itself is synchronous. The return of the send means that connect call is completed. The respond to the connect call will come asynchronously as stated in the description of the call. Dito for dup_connect. But I think it will be clearer to state that this call is asynchronous. This will be consistent with disconnect which is asynchronous. Another possibility is to get rid of all these statements "sync" and "async". The description provides all the info for sync vs. async. Plus we can explicitly state what successful return mean for each call.		Closed		Eric Chang (Sun)	7/11/2003	10/27/2006		2.0 (CM)	
101	Bug	Chapter 6 & Appendix A	Async EVD evd_flags	Arkady	Chapter 6			2	Need to define what the evd_flags for async EVD created by Provider for ia_open. Define when Provider can and can not block. Can Provider not block and return event if # of events is < threshold? I propose that we take the IT API rules for it. A waiter can be blocked. An EVD waiter will block when EVD queue is empty. An EVD waiter may block when EVD has not reached the notification criteria. A "notification event" is one of the following: An event corresponding to a DTO that was posted with the NOTIFICATION_SUPPRESSION clear. An event with dto_status of not DTO_SUCCESS corresponding to a DTO posting regardless of the dto_completion_flags values. An event corresponding to a Reply DTO with the SOLICITED_WAIT bit set in the corresponding remote Send. Any event of Event Stream other than DTO_COMPLETION_EVENT_STREAM. An SEVD is in the "notification criteria" when one of the following is true. There is a Notification Event queued on the EVD. The number of events on EVD is larger or equal to the threshold value of the wait. An EVD waiter will return immediately if there is a Notification Event on the queue or if the number of events on the EVD is equal or larger than the threshold of wait. If arriving event causes EVD to reach notification criteria then EVD waiter will be unblocked if one exists.		Open		Arkady	7/29/2003		post 2.0 (sync with 75)		
107	Description clarification	Chapter 6	dat_evd_wait blocking semantic	Arkady	Chapter 6			2	There was an inconsistency between the specification body, i.e. Chapter 6 as a file descriptor in Unix system and the header file declaration, Appendix A as a callback function. If the "OS Wait Proxy Agent" is going to be removed in 1.1, this motion will affect the exist of DAT_CNO_Mocky_Agent function.		Open		Arkady	7/30/2003		post 2.0		
111	Bug	Chapter 6 & Appendix A	OS wait proxy signature	Arkady	Chapter 6 & Appendix A			1	Suggest to remove OS Wait Proxy definition from header files. Need to clarify what events are generate on the active side if accepting EP is destroyed before connection is established.		Closed		Sherman Pun	7/31/2003	10/27/2006		2.0 (Sherman proposal)	
112	Description clarification	connection management	accepted EP destroyed before connection is established	Arkady	Chapter 6			4	Suggest to either generate connection_established followed by disconnect or reject event will be generated.		Open		Arkady	7/31/2003			2.0 (CM)	
114	Description clarification	connection management	remote disconnect while locally in disconnect pending	Arkady	Chapter 6			4	Need to specify what happens both locally and remotely when remote disconnect is issued when local EP is in disconnect pending state.		Open		Arkady	8/1/2003			post 2.0 (CM)	
115	Description clarification	connection management	remote ep_free while local EP in disconnect pending	Arkady	Chapter 6			4	Need to specify what happens both locally and remotely when remote ep_free is issued when local EP is in disconnect pending state.		Open		Arkady	8/1/2003			post 2.0 (CM)	
116	Description clarification	connection management	ep_reset for provider controlled states	Arkady/Castin	Chapter 6			4	Spec does not state what happens when ep_reset is called for provider controlled EP states. We should stated that it should return an error. Update EP state transition diagram.		Open		Arkady	8/2/2003			post 2.0 (CM)	
117	Description clarification	connection management	or accept for EP states	Arkady	Chapter 6			4	Specify in which states it is legal to call cr_accept. Should be legal for Unconnected, Passive and Tentative Connection pending.		Closed		Arkady	8/2/2003	5/5/2004		partially in 1.2, leave open to deal with IWARP CM.	
118	Proposal	Completion flags	Recv WQ cannot support Completion suppression flag	Arkady	Chapter 6			3	EP Recv WQ can not support completion suppression on IB. IT API does not support it. Proposal 1: remove completion suppression from Recv posting. Feedback that nobody will have interest to implement it. Proposal 2: Split Completion flag support Provider attribute into 2 flags. One for Recv and one for Request WQ of EP.		Open		Arkady	8/4/2003			2.0 (CM) (proposal 2)	
119	Proposal	Spec	CNO wait timeout expired	Arkady	Chapter 6			5	In dat_cno_wait, if the timeout expires, the spec says it should return DAT_QUEUE_EMPTY. Q1: Why is this different from dat_evd_wait where it returns DAT_TIMEOUT_EXPIRED in the same situation ?		Open		Maha	8/6/2003			post 2.0	
120	Description clarification	Spec	CNO wait return for abort	Arkady	Chapter 6	77	23-25	3	DAT_CNO_WAIT does not specify what the return value should be if it is closed or all associated EVDs are destroyed. Suggest to specify that DAT_ABORT is return for this case.		Open		Maha	8/6/2003			post 2.0	
121	Proposal	spec	threshold value for non-threshold configuration	Arkady	Chapter 6	90	15-20	4	Currently, spec states if EP is not configured for threshold Consumer must use threshold=1 for evd_wait on associated EVD for request/recv. This is misleading. In reality Consumer is waiting with threshold=infinity since only notifications (and timeout/OS signals/Abort) controlled unblocking). Suggest to change this to threshold=DAT_THRESHOLD_INFINITY which also need to be defined. Suggest we tackle that as part of IT API convergence.		Open		Arkady	8/7/2003			post 2.0 (IT event model convergence)	





