

Appendix. Checking of items assigned as Basic and Advanced Functions

Table 1. Checking of items assigned as Basic Function (CN)

Selection	Function	Self Test Specification number	Note Depending on the implementation, the operation is tested.
0	Basic Function (Priority A1)  - Return Routability - Correspondent Registration - Correspondent De-registration	CN-1-1 CN-1-2 CN-1-3 CN-2-1-2 CN-2-1-3 CN-2-1-4 CN-2-1-5 CN-2-1-6 CN-2-2-2 CN-2-2-3 CN-2-2-4 CN-2-2-5 CN-2-2-6 CN-2-3-1-2 CN-2-3-3 CN-2-3-4 CN-2-3-5 CN-2-3-6 CN-2-3-9 CN-2-3-10-1 CN-2-3-11 CN-2-4-1 CN-2-5-1 CN-2-5-2 CN-2-5-3 CN-2-5-4 CN-2-5-5 CN-2-6-1 CN-2-6-2 CN-2-6-4 CN-3-1-1 CN-3-1-2 CN-3-3-1-3 CN-3-3-2-1 CN-3-3-2-3 CN-3-3-2-5 CN-3-3-2-7 CN-3-3-3 CN-3-4-1 CN-3-4-3 CN-4-2-1 CN-4-2-2 CN-4-2-3 CN-4-3-1 CN-4-3-2 CN-4-3-3 CN-4-8-1 CN-5-1-1-1 CN-5-1-1-2 CN-5-1-1-3 CN-5-1-1-4 CN-5-1-2-1 CN-5-1-2-2 CN-5-1-2-3 CN-5-1-2-4 CN-5-1-3-1 CN-5-1-3-2 CN-5-1-3-3 CN-5-2-2 CN-5-2-3 CN-5-2-5 CN-5-2-6 CN-5-2-7 CN-5-2-8 CN-5-3-2 CN-5-3-3 CN-5-3-4 CN-5-4-1 CN-5-4-2 CN-5-4-3 CN-6-1 CN-6-2-1 CN-6-2-2 CN-6-2-3 CN-6-3-1 CN-6-3-2 CN-6-4-1 CN-6-5	

**Table 2. Checking of items assigned as Basic Function and Advanced Function (HA)**

Selection	Function		Self Test Specification Number		Note				
			Real Home Link	Virtual Home Link					
<p><b>O</b></p> <p>*1</p>	<p><b>Basic Function</b> (Priority A1)</p> <p>- Home Registration - IPsec ESP for BU/BA - encapsulation and decapsulation</p>		HA_0_0_0	HA_0_0_0	<p>Depending on the implementation, the operation is tested.</p>				
			HA_1_1_3	HA_1_1_8					
			HA_2_1_1	HA_2_1_5					
			HA_2_1_2	HA_2_1_6					
			HA_2_1_3	HA_2_1_7					
			HA_2_1_4	HA_2_1_8					
			HA_2_1_14	HA_2_1_15					
			HA_2_2_3	HA_2_2_6					
			HA_2_2_7	HA_2_2_8					
			HA_2_2_13	HA_2_2_14					
			HA_2_5_1	HA_2_5_3					
			HA_2_5_5	HA_2_5_7					
			HA_2_5_2	HA_2_5_4					
			HA_2_7_1	HA_2_7_3					
			HA_2_7_2	HA_2_7_4					
			HA_2_6_1	HA_2_6_7					
			HA_2_6_4	HA_2_6_10					
			HA_2_6_2	HA_2_6_8					
			HA_2_6_3	HA_2_6_9					
			HA_2_8_1	HA_2_8_7					
			HA_2_8_2	HA_2_8_8					
			HA_2_8_3	HA_2_8_9					
			HA_3_1_1	HA_3_1_11					
			HA_3_1_6	HA_3_1_12					
			HA_3_2_1	HA_3_2_11					
			HA_3_2_6	HA_3_2_12					
			HA_5_1_1	HA_5_1_5					
			HA_5_1_4	HA_5_1_6					
			HA_5_1_3	HA_5_1_7					
			HA_6_1_1	HA_6_1_3					
			HA_6_1_2	HA_6_1_4					
			HA_6_2_1	HA_6_2_2					
			<p>*2</p>	<p><b>Advanced Function</b> (Priority A2)</p>		Real Home Link	HA_1_1_1		
							HA_1_1_5		
							HA_2_1_9		
							HA_2_3_1		
							HA_2_3_3		
							HA_2_3_2		
							HA_2_4_1		
							HA_2_4_4		
							HA_2_4_2		
							HA_2_4_5		
							HA_2_4_3		
							HA_2_4_6		
							HA_3_1_2		
	HA_3_1_7								
	HA_3_1_4								
	HA_3_1_9								
	HA_3_2_2								
	HA_3_2_7								
	HA_3_2_4								
	HA_3_2_9								
	HA_3_3_1								
	HA_3_3_2								
	HA_3_3_3								
	HA_3_3_4								
	HA_4_1_1								
	HA_4_1_2								
	HA_4_2_1								
	HA_4_2_2								
	HA_4_2_13								
	HA_4_2_3								
	HA_4_2_4								
	HA_4_2_5								
	HA_4_2_14								
	HA_4_2_6								
	HA_4_2_9								
	HA_4_4_1								
	HA_4_4_2								
	HA_4_4_13								
	HA_4_4_3								
	HA_4_4_4								
	HA_4_4_5								
	HA_4_4_14								
	HA_4_4_6								
	HA_4_4_9								
	HA_4_2_12								

			HA_4_3_1 HA_4_3_2 HA_4_3_13 HA_4_3_3 HA_4_3_10 HA_4_3_11 HA_4_3_16 HA_4_3_12 HA_4_3_4 HA_4_3_5 HA_4_3_14 HA_4_3_6 HA_4_3_7 HA_4_3_8 HA_4_3_15 HA_4_3_9 HA_5_1_2		
		Return Routability	HA_6_3_1 HA_6_3_2 HA_6_3_3 HA_6_3_4 HA_6_3_9	HA_6_3_5 HA_6_3_6 HA_6_3_7 HA_6_3_8 HA_6_3_10	
		IKE	N/A	N/A	
		MPD	HA_8_1_1 HA_8_1_7 HA_8_1_3 HA_8_1_15	HA_8_1_2 HA_8_1_8 HA_8_1_4 HA_8_1_16	
		DHAAD	HA_7_1_1 HA_7_1_3 HA_7_2_1 HA_7_2_9 HA_7_2_2 HA_7_3_1 HA_7_3_2 HA_7_4_1 HA_7_4_2 HA_7_2_10 HA_7_2_11 HA_7_2_12 HA_7_2_13 HA_7_2_15 HA_7_2_3 HA_7_2_4 HA_7_2_5 HA_7_2_6 HA_7_2_7 HA_7_2_8 HA_7_2_14 HA_7_5_1	HA_7_1_2 HA_7_1_4	

Selection	Function		Self Test Specification Number		Note
			Real Home Link	Virtual Home Link	
*1	Advanced Function (Priority A2)	Basic and Fine-Grain Selectors	HA_0_0_0	HA_0_0_0	Depending on the implementation, the operation is tested.
HA_2_1_1			HA_2_1_5		
HA_2_2_3			HA_2_2_6		
HA_3_1_1			HA_3_1_11		
HA_5_1_4			HA_5_1_6		
			HA_6_1_2	HA_6_1_4	
*2	Advanced Function (Priority A2)	Real Home Link and Fine-Grain Selectors	HA_1_1_1		
			HA_1_1_5		
			HA_3_1_2		
			HA_3_1_4		
	Advanced Function (Priority A2)	Return Routability and Fine-Grain Selectors	HA_6_3_2	HA_6_3_6	
			HA_6_3_4	HA_6_3_8	
			HA_6_3_9	HA_6_3_10	
	Advanced Function (Priority A2)	MPD and Fine-Grain Selectors	HA_8_1_1	HA_8_1_2	
			DHAAD and Fine-Grain Selectors	HA_7_1_1	

Notes about Selection

\*1: In particular, if "Real Home Link" of Advanced Function is not selected, the Test specification number of Basic Function for "Virtual Home Link" should be executed.

\*2: When "Real Home Link" of Advanced Function is selected, Test specification number for "Real Home Link" should be executed as well as Basic



		MN-3-2-1-2-001	MN-3-2-1-2-001	NUT sets (A) bit in BU which is transmitted to CN
		MN-3-2-1-2-029	MN-3-2-1-2-029	NUT sets (A) bit in BU which is transmitted to CN
		MN-3-2-1-2-017	MN-3-2-1-2-017	NUT sets (A) bit in BU which is transmitted to CN
		MN-3-2-1-2-018	MN-3-2-1-2-018	NUT sets (A) bit in BU which is transmitted to CN
		MN-3-2-1-2-003	MN-3-2-1-2-003	NUT re-transmits BU for BA (status 128)
		MN-3-2-1-2-010	MN-3-2-1-2-010	NUT re-transmits BU for BA (status 135)
		MN-3-2-1-2-014	MN-3-2-1-2-014	NUT sets (A) bit in BU which is transmitted to CN
				NUT re-transmits BU for valuable BA
		MN-3-2-1-2-023	MN-3-2-1-2-023	NUT sets (A) bit in BU which is transmitted to CN
		MN-3-2-1-2-024	MN-3-2-1-2-024	NUT sets (A) bit in BU which is transmitted to CN
				NUT re-transmits BU for valuable BA
		MN-3-2-1-2-025	MN-3-2-1-2-025	NUT sets (A) bit in BU which is transmitted to CN
				NUT re-transmits BU for valuable BA
		MN-3-1-2-2-006	MN-3-1-2-2-006	NUT re-registers with CN
		MN-3-1-2-2-004	MN-3-1-2-2-004	
		MN-3-1-2-2-002	MN-3-1-2-2-002	
		MN-3-1-3-2-001		
		MN-3-4-1-2-001	MN-3-4-1-2-001	NUT accepts BRR
		MN-3-4-1-2-006	MN-3-4-1-2-006	NUT accepts BRR
		MN-3-4-1-2-005	MN-3-4-1-2-005	
		MN-4-2-1-2-010	MN-4-2-1-2-010	
		MN-4-2-1-2-015	MN-4-2-1-2-015	
		MN-3-3-1-2-004	MN-3-3-1-2-004	
		MN-3-3-1-2-009	MN-3-3-1-2-009	
		MN-3-3-1-2-011	MN-3-3-1-2-011	
		MN-3-3-1-2-001	MN-3-3-1-2-001	NUT sets (A) bit in BU which is transmitted to CN
		MN-3-3-1-2-002	MN-3-3-1-2-002	NUT does not set (A) bit in BU which is transmitted to CN
		MN-3-3-1-2-007	MN-3-3-1-2-007	
		MN-4-2-1-2-007	MN-4-2-1-2-007	NUT re-transmits HoTI for valuable HoT
		MN-4-2-1-2-011	MN-4-2-1-2-011	
		MN-4-2-1-2-012	MN-4-2-1-2-012	
		MN-4-2-1-2-013	MN-4-2-1-2-013	NUT re-transmits CoTI for valuable CoT
		MN-4-2-2-2-005	MN-4-2-2-2-005	
		MN-4-2-2-2-007	MN-4-2-2-2-007	
		MN-4-2-2-2-012	MN-4-2-2-2-012	
		MN-4-2-2-2-010	MN-4-2-2-2-010	
		MN-4-2-2-2-011	MN-4-2-2-2-011	
		MN-4-1-1-2-002	MN-4-1-1-2-002	
		MN-4-1-1-2-005	MN-4-1-1-2-005	NUT does not re-register with CN
		MN-4-1-1-2-006	MN-4-1-1-2-006	
		MN-4-1-2-2-003	MN-4-1-2-2-003	
		MN-4-1-2-2-004	MN-4-1-2-2-004	
		MN-4-1-2-2-005	MN-4-1-2-2-005	
		MN-4-1-2-2-011	MN-4-1-2-2-011	
	Return Routability and MPD	MN-2-1-1-2-017	MN-2-1-1-2-017	
		MN-2-1-2-2-017	MN-2-1-2-2-017	
		MN-3-1-2-2-001	MN-3-1-2-2-001	
	IKE	N/A	N/A	
	MPD	MN-2-2-1-1-002	MN-2-2-1-1-002	
		MN-2-1-2-1-005	MN-2-1-2-1-005	
		MN-4-1-1-1-001		
		MN-4-1-1-1-002	MN-4-1-1-1-002	
		MN-4-1-1-1-004	MN-4-1-1-1-004	NUT re-transmits MPS for valuable MPA
		MN-4-2-1-1-001	MN-4-2-1-1-001	
		MN-4-2-1-1-015	MN-4-2-1-1-015	
		MN-4-2-1-1-004	MN-4-2-1-1-004	
		MN-4-2-1-1-012	MN-4-2-1-1-012	NUT re-transmits MPS for valuable MPA
		MN-4-2-1-1-013	MN-4-2-1-1-013	NUT re-transmits MPS for valuable MPA
		MN-4-2-1-1-014	MN-4-2-1-1-014	NUT re-transmits MPS for valuable MPA
		MN-4-2-1-1-019	MN-4-2-1-1-019	
	DHAAD	MN-5-1-1-1-001		NUT transmits DHAAD on Home Link
		MN-5-1-1-1-005	MN-5-1-1-1-005	
		MN-5-1-1-1-006	MN-5-1-1-1-006	NUT re-transmits DHAAD Request for valuable DHAAD Reply
		MN-5-1-2-1-002		NUT transmits DHAAD on Home Link
		MN-5-1-2-1-016	MN-5-1-2-1-016	
		MN-5-1-2-1-021	MN-5-1-2-1-021	
		MN-5-1-2-1-026		
		MN-5-1-2-1-027		
		MN-5-1-2-1-028		
		MN-5-1-2-1-029		
	Mobile to Mobile	MN-2-1-1-2-002		
		MN-2-1-1-2-003	MN-2-1-1-2-003	
		MN-2-1-1-3-001	MN-2-1-1-3-001	
		MN-2-1-2-3-001	MN-2-1-2-3-001	
		MN-3-1-1-3-001	MN-3-1-1-3-001	
		MN-3-1-2-3-001	MN-3-1-2-3-001	
		MN-3-1-3-3-001	MN-3-1-3-3-001	
		MN-4-1-1-3-001	MN-4-1-1-3-001	
		MN-4-1-2-3-001	MN-4-1-2-3-001	

Selection	Function		Self Test Specification number		Note
			Real Home Link	Virtual Home Link	
*1	Advanced Function (Priority A2)	Basic and Fine-Grain Selectors	MN-2-1-1-1-001	MN-2-1-1-1-001	Depending on the implementation, the operation is tested.
			MN-2-2-1-1-001	MN-2-2-1-1-001	
			MN-2-2-1-1-038	MN-2-2-1-1-038	
			MN-2-1-2-1-001	MN-2-1-2-1-001	
			MN-6-2-1-1-003	MN-6-2-1-1-003	
*2		Real Home Link and Fine-Grain Selectors	MN-2-1-3-1-001		NUT creates home address with RFC2462 in home link
			MN-2-2-2-1-001		
			MN-1-1-2-1-001		
	Return Routability and Fine-Grain Selectors	MN-3-1-1-2-001	MN-3-1-1-2-001	NUT sets (A) bit in BU which is transmitted to CN	
		MN-3-2-1-2-001	MN-3-2-1-2-001		
		MN-3-1-2-2-004	MN-3-1-2-2-004	NUT accepts BRR	
		MN-3-1-3-2-001			
	MPD and Fine-Grain Selectors	MN-3-4-1-2-001	MN-3-4-1-2-001		
		MN-4-2-1-2-010	MN-4-2-1-2-010		
	DHAAD and Fine-Grain Selectors	MN-4-1-1-1-002	MN-4-1-1-1-002		
		MN-4-2-1-1-001	MN-4-2-1-1-001		
	Mobile to Mobile and Fine-Grain Selectors	MN-5-1-2-1-016	MN-5-1-2-1-016	NUT transmits DHAAD on Home Link	
		MN-5-1-2-1-027			
		MN-2-1-1-2-003	MN-2-1-1-2-003		
		MN-4-1-1-3-001	MN-4-1-1-3-001		
		MN-4-1-2-3-001	MN-4-1-2-3-001		

Notes about Selection

- \*1: In particular, if "Real Home Link" of Advanced Function is not selected, the Test specification number of Basic Function for "Virtual Home Link" should be executed.
- \*2: When "Real Home Link" of Advanced Function is selected, the Test specification number for "Real Home Link" should be executed as well as Basic Functions.
- \*3: When "Return Routability" and "MPD" are selected, the Test specification number of "Return Routability and MPD" should be executed as well as Basic Functions.