

AMHS Implementation Workshop #2

FAA – Asia / Pacific Region
Status

Miami, Florida, USA
April 10-12, 2012



Federal Aviation
Administration

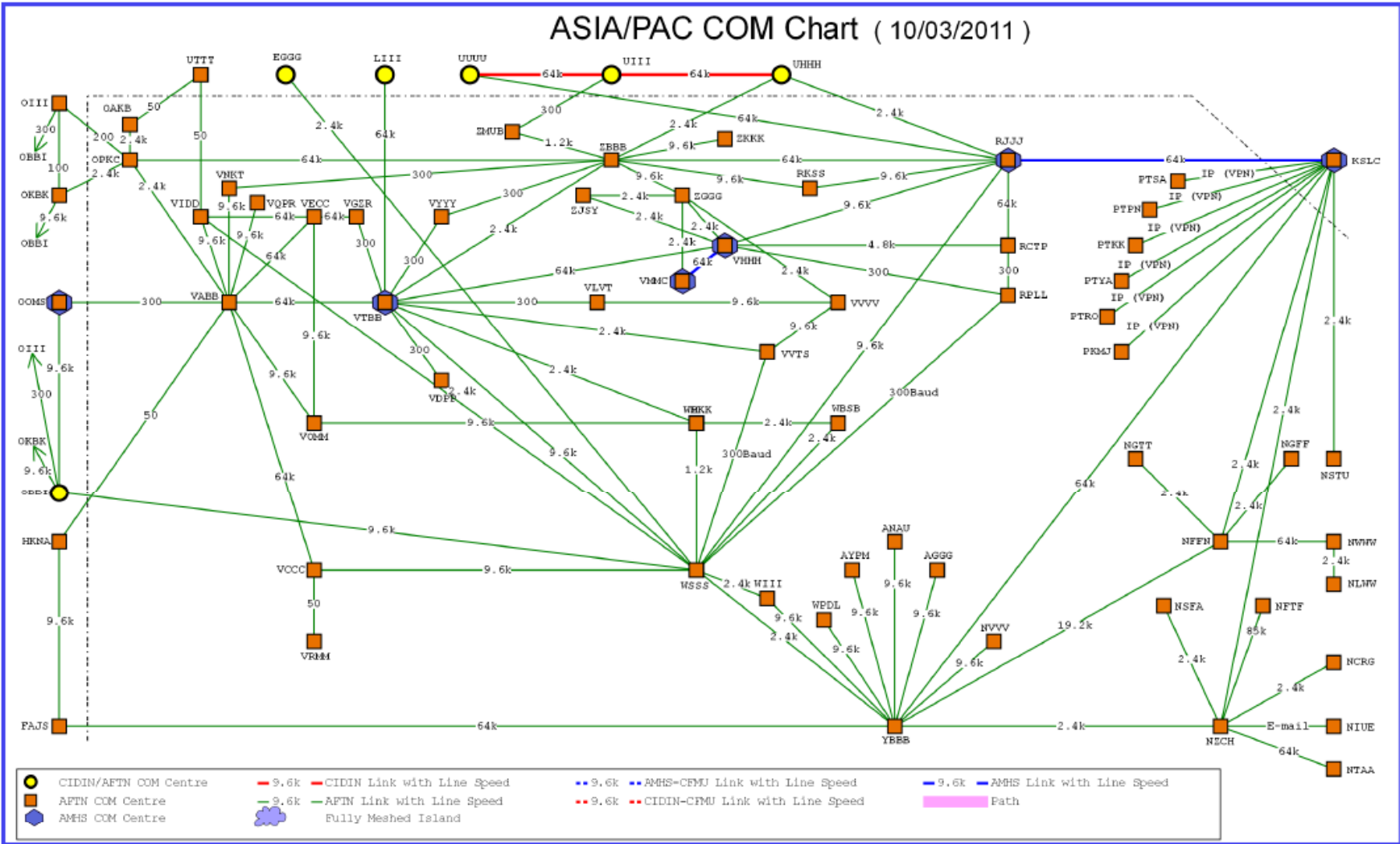


Current View of Asia Pacific Network

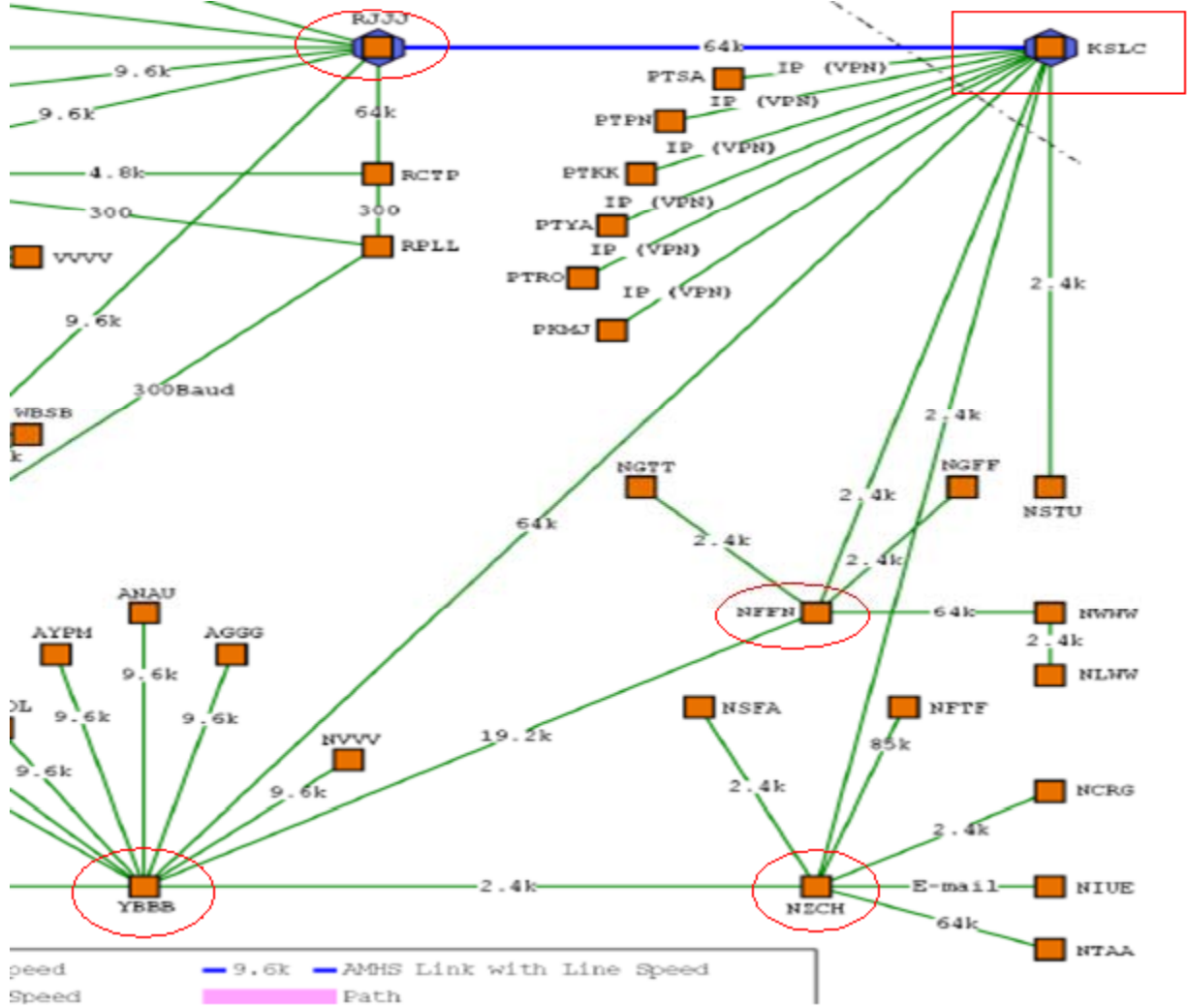
- ✓ **Let's look at several views of the Asia Pacific network, and how the FAA is connected....**



Asia / Pacific Communications Chart



Asia / Pacific Com Chart (FAA Connections)



Asia / Pacific Com Chart (FAA Connections)

- ✓ RJ – Japan
 - Connectivity established in 2005
- ✓ NF – Fiji
 - Phase 1 (dual feed) connectivity established in March 2012
 - Phase 2 (operational) connectivity expected in May 2012
- ✓ YB – Australia
 - Interop test planned for H2/2012
 - Operational connectivity planned for H1/2013
- ✓ NZ – New Zealand
 - Interop test planned for H2/2012
 - Operational connectivity planned for H1/2013

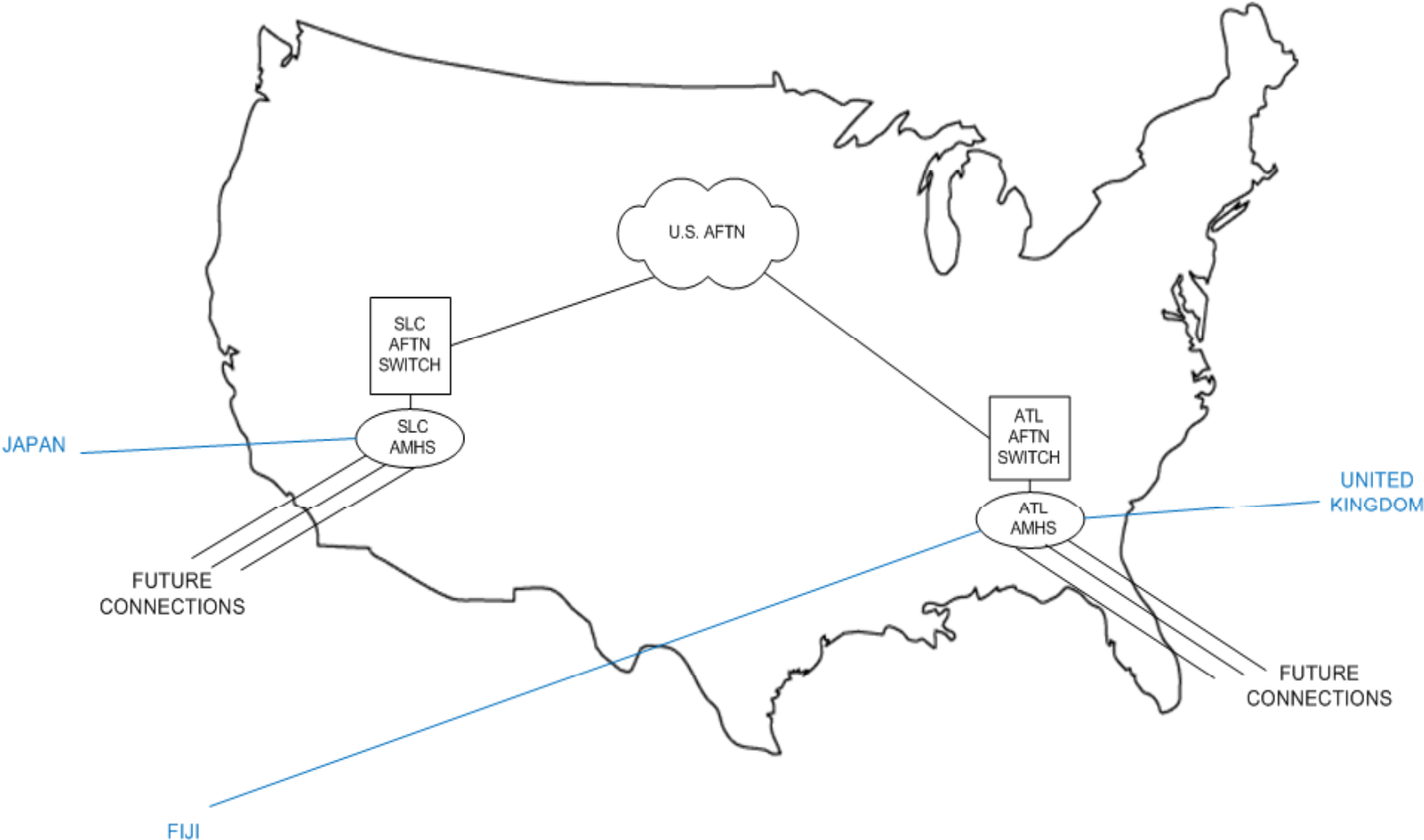


Here's a Question...

**So why is Fiji's AMHS connected to Atlanta,
when Salt Lake City handles the FAA's
Asia/Pacific AFTN connections?**



Current View of FAA AFTN/AMHS Nodes



Current State of Japan's AMHS

- ✓ **Japan's AMHS is not quite up to date**
- ✓ **Is compliant with Edition 2 of the SARPS, plus some additions, but not quite up to Edition 3**
 - **Call it Edition 2 and a half?**



Impact on the Rest of Asia/Pac Region

- ✓ **Since all other states are compliant with Edition 3, none of them can connect to Japan's AMHS until Japan performs a complete upgrade**
- ✓ **This is not scheduled to happen for several more years**
- ✓ **This will leave Japan with one AMHS connection (the FAA) and all other connections will remain AFTN**



Impact on the FAA

- ✓ **The FAA's Salt Lake City AMHS is currently configured to support the modified Japan system**
- ✓ **This causes the SLC AMHS to be a Japan-only AMHS**
- ✓ **As a result, no other AMHS can connect to the SLC AMHS**
- ✓ **Therefore, Fiji's system is connected to the ATL AMHS**
- ✓ **Impact on CAR Region partners: None**



What About the Rest of the Region?

- ✓ See the accompanying spreadsheet “Asia Pacific AMHS Implementation Planner”



- ✓ Provides the status of all Asia/Pac states and their connections to other states

Questions?

Thanks For Your Attention



AMHS Implementation Planner

Interconnection, Connected to router of: Administration (Location of Router)	g. s.	BBIS								
		Australia (Brisbane)	China (Beijing)	Hong Kong, China (Hong Kong)	India (Mumbai)	Fiji (Nadi)	Japan (Fukuoka)	Singapore (Singapore)	Thailand (Bangkok)	USA (Salt Lake City / Atlanta)
Australia (Brisbane)	A					Completed	TBD	Q3/12		Q3/12
	B					Q3/12	TBD	Q3/12		Q3/12
	C					Q4/12	TBD	Q4/12		Q4/12
	D					Q4/12	TBD	Q4/12		Q4/12
China (Beijing)	A			Q3/10	Q1/11		TBD		TBD	
	B			Q3/10	Q2/11		TBD		TBD	
	C			On-going	On-going		TBD		TBD	
	D			Q4/12	Q4/12		TBD		TBD	
Hong Kong, China (Hong Kong)	A			Q3/10			TBD		Q4/12	
	B			Q3/10			TBD		Q3/12	
	C			On-going			TBD		Q3/12	
	D			Q4/12			TBD		Q4/12	
India (Mumbai)	A			Q1/11				Q3/09	Q4/12	
	B			Q2/11				Q4/09	Q2/12	
	C			On-going				Q4/09	Q2/12	
	D			Q4/12				Completed	Q4/12	
Fiji (Nadi)	A	Completed								Completed
	B	Q3/12								Completed
	C	Q4/12								Completed
	D	Q4/12								Q2/12
Japan (Fukuoka)	A	TBD	TBD	TBD			TBD		Q3/00	
	B	TBD	TBD	TBD			TBD		Q4/04	
	C	TBD	TBD	TBD			TBD		Q4/04	
	D	TBD	TBD	TBD			TBD		Completed	
Singapore (Singapore)	A			Q3/09		TBD			Q3/12	
	B			Q4/09		TBD			Q1/12	
	C			Q4/12		TBD			Q1/12	
	D			Completed		TBD			Q3/12	
Thailand (Bangkok)	A			TBD	Q4/12			Q3/12		
	B			TBD	Q3/12			Q1/12		
	C			TBD	Q3/12			Q1/12		
	D			TBD	Q4/12			Q3/12		
USA (Salt Lake City / Atlanta)	A	Q3/12				Completed	Completed			
	B	Q3/12				Completed	Completed			
	C	Q4/12				Completed	Completed			
	D	Q4/12				Q2/12	Completed			

AMHS Implementation Planner

Interconnection, Connected to router of: Administration (Location of Router)	g. 6/5	BBIS							
		Australia (Brisbane)	China (Beijing)	Hong Kong, China (Hong Kong)	India (Mumbai)	Fiji (Nadi)	Japan (Fukuoka)	Singapore (Singapore)	Thailand (Bangkok)
Bahrain	A						Q1/12		
	B						N/A		
	C						Q3/12		
	D						Q3/12		
Europe	A					TBD			
	B					TBD			
	C					TBD			
	D					TBD			
Italy	A							TBD	
	B							TBD	
	C							TBD	
	D							TBD	
Kuwait	A		TBD						
	B		TBD						
	C		TBD						
	D		TBD						
Russian Federation	A		TBD			TBD			
	B		TBD			TBD			
	C		TBD			TBD			
	D		TBD			TBD			
South Africa	A	TBD							
	B	TBD							
	C	TBD							
	D	TBD							
United Kingdom	A						Q4/11		
	B						N/A		
	C						Q1/12		
	D						Q3/12		

AMHS Implementation Planner

Interconnection, Connected to router of: Administration (Location of Router)	g. reg. s.	BBIS								
		Australia (Brisbane)	China (Beijing)	Hong Kong, China (Hong Kong)	India (Mumbai)	Fiji (Nadi)	Japan (Fukuoka)	Singapore (Singapore)	Thailand (Bangkok)	USA (Salt Lake City / Atlanta)
Indonesia (Jakarta)	A	Q3/12						2009		
	B	Q1/13						2009		
	C	Q2/13						2011		
	D	Q3/13						Q3/12		
New Zealand (Christchurch)	A	Q1/13								Q1/13
	B	N/A								N/A
	C	Q2/13								Q2/13
	D	Q3/13								Q3/13
Timor Leste (Dili)	A	TBD								
	B	N/A								
	C	N/A								
	D	UA/TBD								
Nauru (Nauru)	A	TBD								
	B	N/A								
	C	N/A								
	D	UA/TBD								
Papau New Guinea (Port Moresby)	A	TBD								
	B	TBD								
	C	TBD								
	D	TBD								
Solomon Islands (Honiara)	A	TBD								
	B	N/A								
	C	N/A								
	D	UA/TBD								
Vanuatu (Port Vila)	A	TBD								
	B	N/A								
	C	N/A								
	D	UA/TBD								
DPR Korea (Pyongyang)	A		TBD							
	B		TBD							
	C		TBD							
	D		TBD							
Macao, China (Macao)	A		Q1/09	Q3/09						
	B		Q1 - Q2/09	Q3 - Q4/09						
	C		Q1 - Q2/09	Q3 - Q4/09						
	D		Q4/12	Completed						

AMHS Implementation Planner

Interconnection, Connected to router of: Administration (Location of Router)	g. tag S	BBIS							
		Australia (Brisbane)	China (Beijing)	Hong Kong, China (Hong Kong)	India (Mumbai)	Fiji (Nadi)	Japan (Fukuoka)	Singapore (Singapore)	Thailand (Bangkok)
Mongolia (Ulaanbaatar)	A		TBD						
	B		TBD						
	C		TBD						
	D		TBD						
Myanmar (Yangon)	A		TBD					TBD	
	B		TBD					TBD	
	C		TBD					TBD	
	D		TBD					TBD	
Nepal (Kathmandu)	A		Q2/12		Q4/12				
	B		Q3/12		Q4/12				
	C		Q3/12		Q4/12				
	D		Q4/12		Q4/12				
Pakistan (Karachi)	A		TBD		Q3/10				
	B		TBD		N/A				
	C		TBD		Q3/10				
	D		TBD		Q3/12				
Republic of Korea (Seoul)	A		Q2/10			TBD			
	B		Q3/10			TBD			
	C		Q3-Q4/10			TBD			
	D		Completed			TBD			
Vietnam (Ho Chi Minh / Hanoi)	A		TBD	TBD			TBD	TBD	
	B		TBD	TBD			TBD	TBD	
	C		TBD	TBD			TBD	TBD	
	D		TBD	TBD			TBD	TBD	
Philippines (Manila)	A		Q2/14				Q2/14		
	B		Q3/14				Q3/14		
	C		Q3/14				Q3/14		
	D		Q4/14				Q4/14		
Taipei	A		Q4/09				Q1/08		
	B		Q4/09				Q1/08		
	C		Q4/09				TBD		
	D		TBD				TBD		
Bangladesh (Dhaka)	A				N/A				
	B				N/A				
	C				N/A				
	D				N/A				

AMHS Implementation Planner

Interconnection, Connected to router of: Administration (Location of Router)	g. reg. s.	BBIS								
		Australia (Brisbane)	China (Beijing)	Hong Kong, China (Hong Kong)	India (Mumbai)	Fiji (Nadi)	Japan (Fukuoka)	Singapore (Singapore)	Thailand (Bangkok)	USA (Salt Lake City / Atlanta)
Bhutan (Paro)	A				N/A					
	B				N/A					
	C				N/A					
	D				N/A					
Kenya	A				N/A					
	B				N/A					
	C				N/A					
	D				N/A					
Oman (Muscat)	A				Q1/10					
	B				N/A					
	C				Q3/12					
	D				Q4/12					
Sri Lanka (Colombo)	A				Q4/12			TBD		
	B				N/A			TBD		
	C				Q4/12			TBD		
	D				Q4/12			TBD		
Kiribati (Tarawa)	A				UA					
	B				UA					
	C				UA					
	D				UA					
New Caledonia (Noumea)	A				Q4/12					
	B				NA					
	C				Q4/12					
	D				Q4/12					
Tuvalu (Funafuti)	A				UA					
	B				UA					
	C				UA					
	D				UA					
Wallis Island (Wallis)	A				UA					
	B				UA					
	C				UA					
	D				UA					
Brunei Darussalam (Brunei)	A						2013			
	B						2013			
	C						2013			
	D						2013			

AMHS Implementation Planner

Interconnection, Connected to router of: Administration (Location of Router)	e.g. 09	BBIS								
		Australia (Brisbane)	China (Beijing)	Hong Kong, China (Hong Kong)	India (Mumbai)	Fiji (Nadi)	Japan (Fukuoka)	Singapore (Singapore)	Thailand (Bangkok)	USA (Salt Lake City / Atlanta)
Malaysia (Kuala Lumpur)	A							2007	Q4/12	
	B							2007	Q4/12	
	C							Q4/12	Q1/13	
	D							Q1/13	Q1/13	
Cambodia (Phnom Penh)	A								Q1/13	
	B								Q1/13	
	C								Q1/13	
	D								Q2/12	
Lao PDR (Vientiane)	A								TBD	
	B								TBD	
	C								TBD	
	D								TBD	
American Samoa (Pago Pago)	A								UA	
	B								UA	
	C								UA	
	D								UA	
Marshall Islands	A								UA	
	B								UA	
	C								UA	
	D								UA	
Micronesia, Federated State of Chuuk	A								UA	
	B								UA	
	C								UA	
	D								UA	
Micronesia, Federated State of Kosrae	A								UA	
	B								UA	
	C								UA	
	D								UA	
Micronesia, Federated State of Ponapei	A								UA	
	B								UA	
	C								UA	
	D								UA	
Micronesia, Federated State of Yap	A								UA	
	B								UA	
	C								UA	
	D								UA	
Palau	A								UA	
	B								UA	
	C								UA	
	D								UA	

Note:

A	Physical Connections
B	Router Connection Tests
C	MTA Interoperability Tests
D	AMHS Commission
Q1/09	e.g. 1st Quarter in 2009