STATE	FIR	VHF AGA	HF AGA	CPDLC			AIDC				AFTN/ATN	Coordination Facilities	Planned Future Enhancements to Communication (eg. AMHS, AIDC)	Barriers to implementation	Any Other Information
		Describe VHF coverage of FIR and any gaps in coverage. Gaps should be desiribed where they impact on international air traffic, and/or where there is no VHF comms to support radar or ADS-B surveillance coverage.	Describe whether HF MWARA, any frequency limitations, reliability or coverage issues.	Currently in operational use? Y/N	Integrated with ATM Automation System Situation Display? Y/N	Connectivity or reliability issues	Operational or Trial, or Development Stage?	If trial, planned operational implementation date	Exchanging messages with the following FIRS (list, and indicate whether operational or trial per FIR)	AIDC message types per exchanging FIR (e.g. ABI, PAC, EST, TOC/AOC)	Describe current AFTN/AMHS capability and any other relevant information.	Describe voice coordination facilities, specifying if comms with any neighbouring FIR are different, e.g. DSC, HF, and any limitations.	E.g. Improved VHF, CPDLC, AMHS, AIDC, with expected date of implementation for each enhancement.	For example, budgetary, organizational, skilled personnel, cross-boundary technical issues (comms links, versions) etc.	
Cambodia	Phnom Penh						Conducted Study during last two years. No yet implemented							Interoperability with neighbouring ANSPs. Heavy reliance on vendor for implementation support. Finances not an issue.	
China	Beijing						Internal with Shanghai							SW region interoperability issues with potential external partners; short transit times limiting individual message capability; all FIR are capable of AIDC. One of the barriers to implementation within China may be the project integrating some smaller ACC into the ACC Centers these years, such as Shenyang ACC, Xian ACC and Urumchi AC. AIDC implementation will be addressed after the integration project is completed.	For AIDC within China ,the east, outh and southwest part of china had made much progress . For other parts of China such as Xinjiang FIR. AIDC are still at the Development Stage, but it is planned that all the FIRs will implement AIDC in the timeframe of 2016 (in about 3 year). For China and other adjacent FIRS, Shanghai ACC will apply AIDC with Japan in 2014, and Dalian ACC and Korea are at the Development Stage which does not yet have a timeframe. One of the barriers to implementation within China may be that we are integrating some smaller acc into the ACC Center these years,such as Shenyang ACC、Xian ACC and Urumchi ACC,and by the time the project is over,the AIDC will sure be conducted.
	Guangzhou						Operational with Hong Kong China. Ready to go with Viet Nam - in process of agreement. Internal AIDC with adjacent Nanjing\Zhanjiang\ Zhuhai ACC implemented.			Hong Kong China: TOC/AOC					
	Kunming						most ACC within Kunming FIR have implemented AIDC.								
	Lanzhou						Development Stage								
	Sanya						Operational with Hong Kong China. Ready to go with Viet Nam - in process of agreement.			Hong Kong China: TOC/AOC					
	Shanghai						Operational with Beijing								
	Shenyang						Shenyang ACC will apply AIDC with Dalian ACC in 6-7 2013 other area are at Development Stage.								
	Urumqi						Development Stage								
	Wuhan						Development Stage								
Hong Kong, China	Hong Kong						Operational with China on ATS routes L462 M771 P901. Trial run with Taibei requires fix at Teibei end.		Guangzhou and Sanya (China)	TOC/AOC. Issues with other messages due to very short transits of neighbouring FIR				AIDC: Neighbour ANSP interoperability issues; short sector transit times limiting usability of messages other than TOC/AOC	
Indonesia	Jakarta						JAATS system not capable. Interim E-JATS ATM system capable but not enabled. Waiting for new Jakarta JATM system.				AMHS (trial)	Direct line to all neighbouring FIR, backed up by telephone.	CPDLC, AIDC, AMHS 2013	AIDC messaging is in budget, but ANSP is awaiting new ATM system. The interim ATM system (E-JATS) is capable but not configured due to system management risks.	
	Ujung Pandang						Issues with AMSC resulted in suspension of trial with Australia. Trial with Kota Kinabalu of message delivery, with further operational use to be developed.					Direct line to all neighbouring FIR, backed up by telephone.	AIDC 2012	New AMSC in budget. Awaiting testing and formal commissioning	
Lao PDR	Vientiane														

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		Describe VHF coverage of FIR and any gaps in coverage. Gaps should be desiribed where they impact on international air traffic, and/or where there is no VHF comms to support radar or ADS-B surveillance coverage.	Describe whether HF MWARA, any frequency limitations, reliability or coverage issues.	Currently in operational use? Y/N	Integrated with ATM Automation System Situation Display? Y/N	Connectivity or reliability issues	Operational or Trial, or Development Stage?	If trial, planned operational implementation date	Exchanging messages with the following FIRS (list, and indicate whether operational or trial per FIR)	AIDC message types per exchanging FIR (e.g. ABI, PAC, EST, TOC/AOC)	Describe current AFTN/AMHS capability and any other relevant information.	Describe voice coordination facilities, specifying if comms with any neighbouring FIR are different, e.g. DSC, HF, and any limitations.	E.g. Improved VHF, CPDLC, AMHS, AIDC, with expected date of implementation for each enhancement.	For example, budgetary, organizational, skilled personnel, cross-boundary technical issues (comms links, versions) etc.	
Malaysia	Kota Kinabalu	Full VHF and Radar coverage in Kota Kinabalu FIR.		Nil.			Trial exchange with Ujung Pandang. Currently limited to trialing message delivery, with further operational application to be developed. In discussion with India.?	Expect full AIDC operation on 15th March 2013 between Kota Kinabalu and Kuching ACC.			AFTN	Direct Speech & Telp Line		Technical: some system software issues? Financial: not yet in budget. Requires business case development. (Trial with Ujung is sponsored by a telecoms provideer)	So far, Malaysia had some preliminary bilateral discussions with neighbouring States on exploring AIDC implementation. The IDCF trial between Kota Kinabalu and Makasar ACC is one of them. The full internal AIDC operation between Kota Kinabalu and Kuching ACC will commence on 15 March 2013 (same radar and FDP system).
	Kuala Lumpur	Full VHF and Radar coverage in Kuala Lumpur FIR except some portion of Bay of Bengal.	No issue, covering portion of airspace in Bay of Bengal.	ADS/CPDLC	Yes.	Stable, however some issue of split target when ADS fused into the main system.	Some Issues with ATM system, and with managing short transits of airspace volumes. No current AIDC messaging exchanged. Discussing future messaging with India.				AFTN	Direct Speech & Telp Line	AIDC 2013		
Philippines	Manila						System not capable						New AIDC capable ATM system is in planning stages, tentatively operational in 2016.		
Singapore	Singapore	VHF	HF (SCS)	ADS/CPDLC							AMHS	Direct speech	AIDC		
Thailand	Bangkok	VHF		PDC			nil				AMHS	Direct Speech (Pnom penh, Vien Tien, Ho Chi Minh)	Planning for new ATM system within next 2 years, to introduce AIDC capability	Financial: Limited budget. No plans to invest in current system. Technical: Interoperability, with neighbouring and domestic units. Technical knowledge and skills	
Viet Nam	Ha Noi						Myanmar?								
	Ho Chi Minh														