



Latest Development of TAM in China

Presented by China



A-CDM implementation in China




























- By now, 41 airports in China have implemented A-CDM.
- 2 airports's A-CDM projects are in progress, that is, Wuxi airport & Jieyang airport.

Year of implementation	Number of Airports	A-CDM Airports (China)
2018	10	Beijing Capital, Shanghai Pudong, Shanghai Hongqiao, Guangzhou, Kunming, Chengdu Shuangliu, Shenzhen, Xi'an, Chongqing, Hangzhou
2019	26	Nanjing, Xiamen, Zhengzhou, Changsha, Wuhan, Haikou, Urumqi, Tianjin, Sanya, Harbin, Guiyang, Dalian, Shenyang, Jinan, Nanning, Lanzhou, Fuzhou, Taiyuan, Changchun, Nanchang, Hohhot, Shijiazhuang, Ningbo, Wenzhou, Zhuhai, Hefei
2020	2	Yinchuan, Yantai
2021	2	Beijing Daxing, Qingdao
2024	1	Chengdu Tianfu
Project In Progress	2	Wuxi, Jieyang



ASBU Update

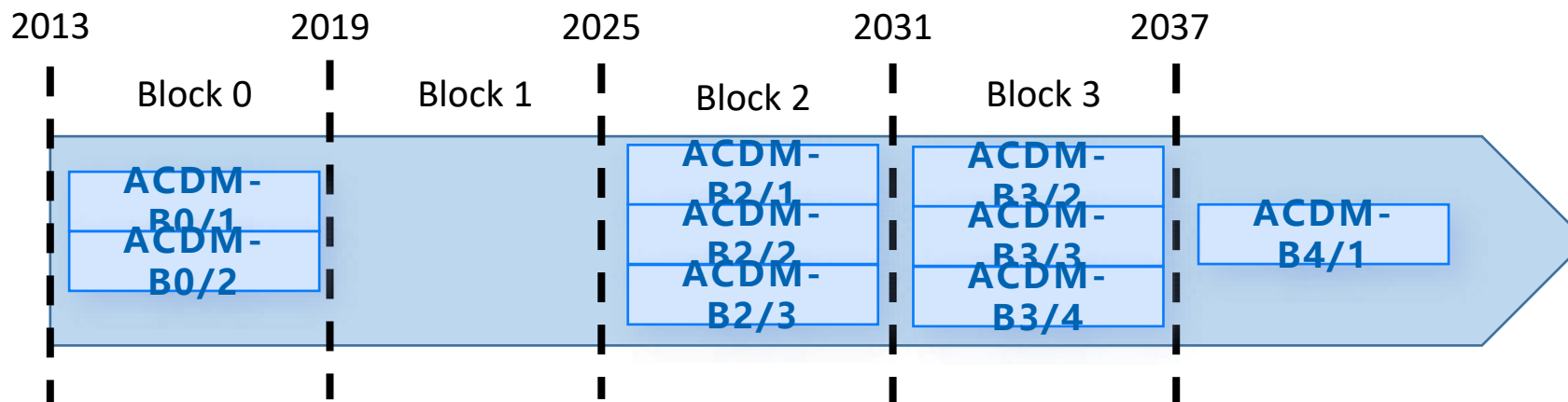
The screenshot shows the ICAO GANP Portal interface. At the top, there is the ICAO logo and the text 'ICAO GANP PORTAL'. Below this, there are navigation links: 'Back to Portal', 'ASBUs', 'Performance Framework', and a 'Login' button. The main heading is 'ASBU ELEMENTS'. There are filter options: 'Edit Filters', 'Change Request', 'Download PDF', and 'Generate PDF'. Underneath, there are radio buttons for 'Functional Description', 'Enablers', 'Deployment Applicability', and 'Performance Impact Assessment'. The 'ACAS' section is highlighted, showing three items: ACAS-B1/1 (ACAS Improvements), ACAS-B2/1 (New collision avoidance system), and ACAS-B2/2 (New collision avoidance capability as part of an overall detect and avoid system for RPAS). Below this, the 'ACDM' section is partially visible, showing one item: ACDM-B0/1 (Airport CDM Information Sharing (ACIS)).

ACDM			
ACDM-B0/1	Airport CDM Information Sharing (ACIS)	Operational	  
ACDM-B0/2	Integration with ATM Network function	Operational	  
ACDM-B2/1	Airport Operations Plan (AOP)	Operational	  
ACDM-B2/2	Airport Operations Centre (APOC)	Operational	  
ACDM-B2/3	Total Airport Management (TAM)	Operational	  
ACDM-B3/2	Advanced total airport management (TAM)	Operational	  
ACDM-B3/3	Extension of Advanced TAM to integrate AI/ML	Operational	  
ACDM-B3/4	Extension of Advanced TAM to integrate new entrants	Operational	  
ACDM-B4/1	Full integration of ACDM and TAM in TBO	Operational	  



A-CDM in ASBU

A-CDM Operational thread



ASBU Elements

- ACDM-B0/1 Airport CDM Information Sharing(ACIS)
- ACDM-B0/2 Integration with ATM Network Function
- ACDM-B2/1 Airport Operations Plan(AOP)
- ACDM-B2/2 Airport Operations Center(APOC)
- ACDM-B2/3 Total Airport Management(TAM)

ASBU Elements

- ACDM-B3/2 Advanced total airport management (TAM)
- ACDM-B3/3 Extension of Advanced TAM to integrate AI/ML
- ACDM-B3/4 Extension of Advanced TAM to integrate new entrants
- ACDM-B4/1 Full Integration of ACDM and TAM in TBO



TAM project

4	推动机场协同决策 A-CDM 向全机场管理 TAM 转型升级。	推动全机场管理 TAM 体系建设。	运行监控中心	机场司	2024 年	启动全机场管理 TAM 前期研究。	运行监控中心	戴 军	形成全机场管理 TAM 研究资料。
					2025 年	建立全机场管理工作机制，制定全机场管理建设技术文件。	运行监控中心	戴 军	形成全机场管理建设技术文件。
					2026 年	选取 2~3 家机场开展全机场管理示范建设，研究制定全机场管理行业标准。	运行监控中心	戴 军	推动 2~3 家机场开展全机场管理示范建设。
					2027 年	依据全机场管理技术文件，对示范机场全机场管理建设情况进行评估认定。	运行监控中心	戴 军	对示范机场全机场管理建设情况进行评估认定。
					2028 年	以示范机场为标杆，逐步在条件适合的机场推广全机场管理，出台全机场管理行业标准。	运行监控中心	戴 军	在条件适合的机场推广全机场管理，出台全机场管理行业标准。
					2029 年	形成较为完整的全机场管理的技術标准和运行模式，向国际民航组织推介中国标准，推动修订国际民航组织相关文件。	运行监控中心	戴 军	向国际民航组织推介中国标准，推动修订国际民航组织相关文件。

- TAM working group
- TAM technical guidelines
- TAM system trial
- TAM standards

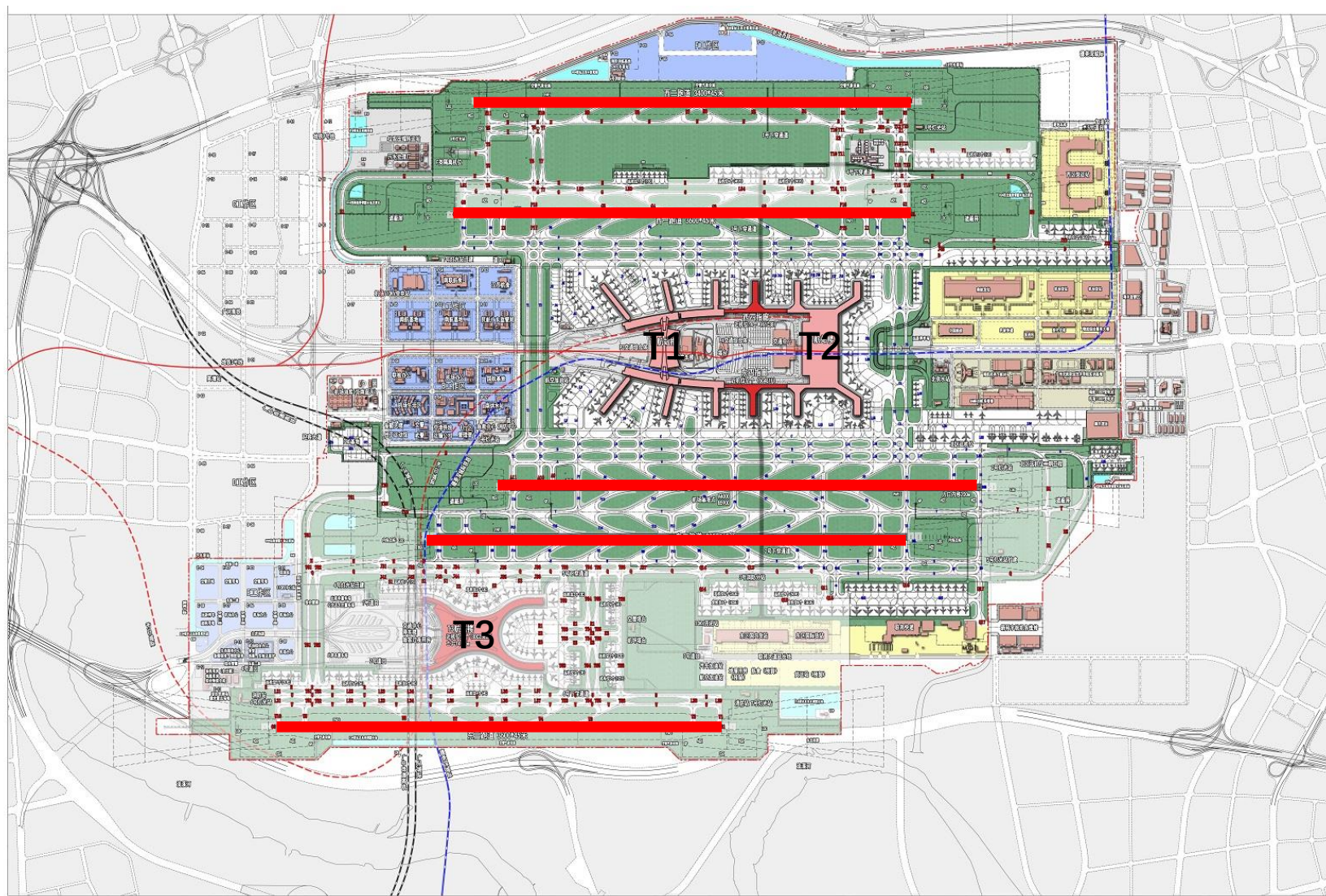


The TAM trial project – Shanghai Pudong



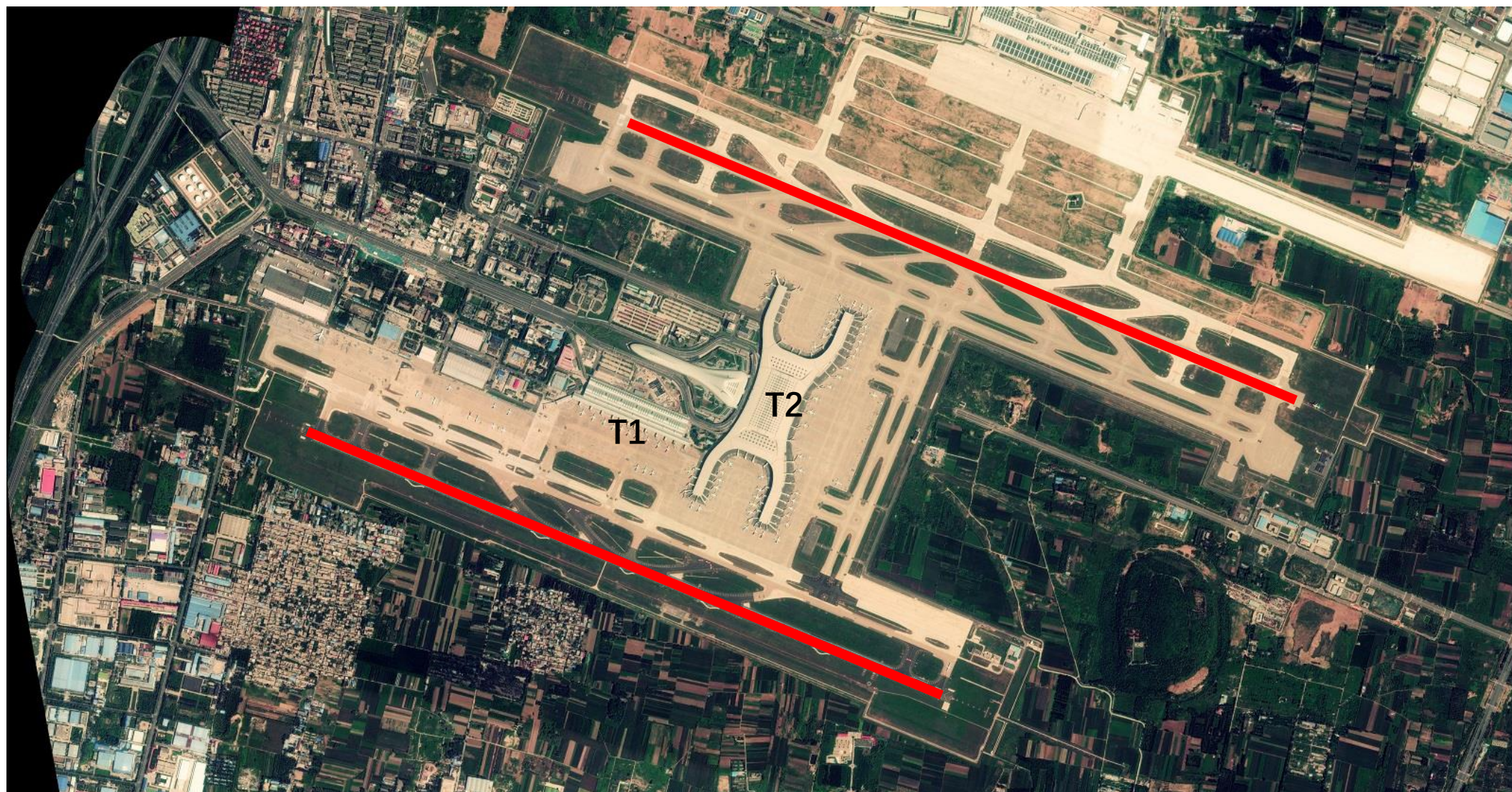


The TAM trial project – Guangzhou Baiyun





The TAM trial project – Zhengzhou Xinzheng





Reformation of Airport Operation

Operation mode

AOC/TOC/GTC

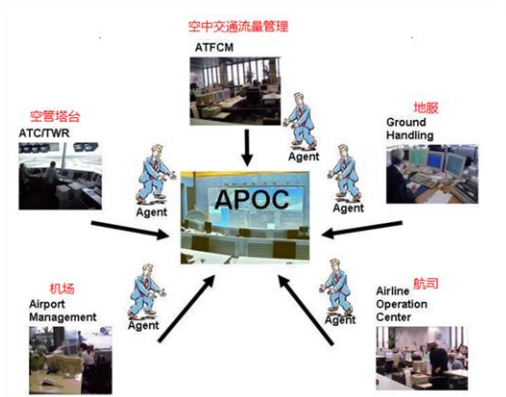


IOC

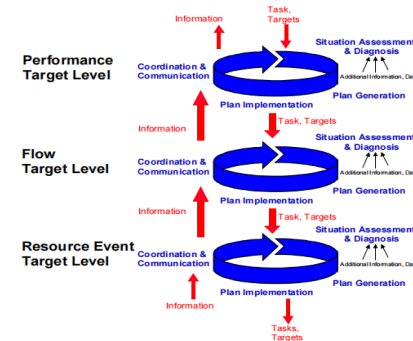
APOC

AOP

Organization structure

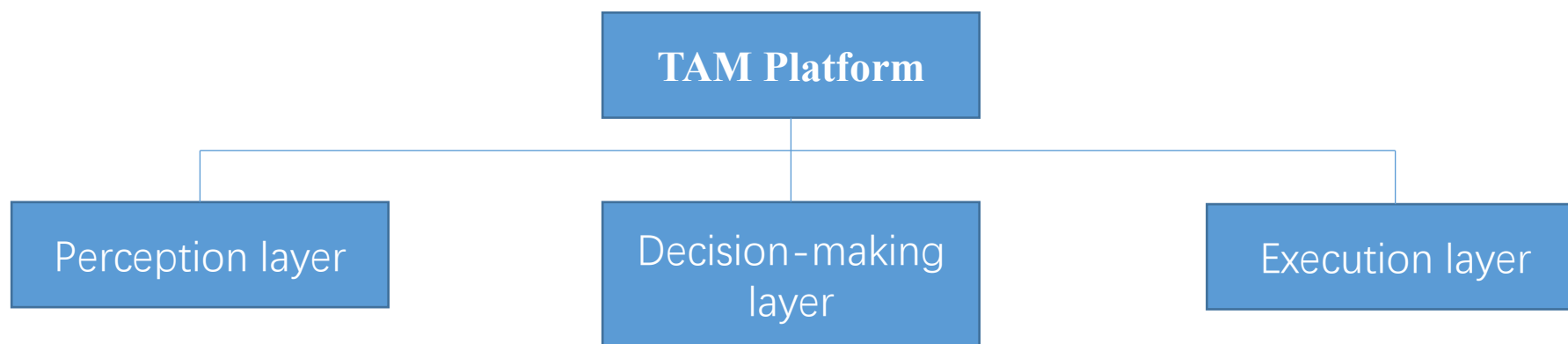


Management tool



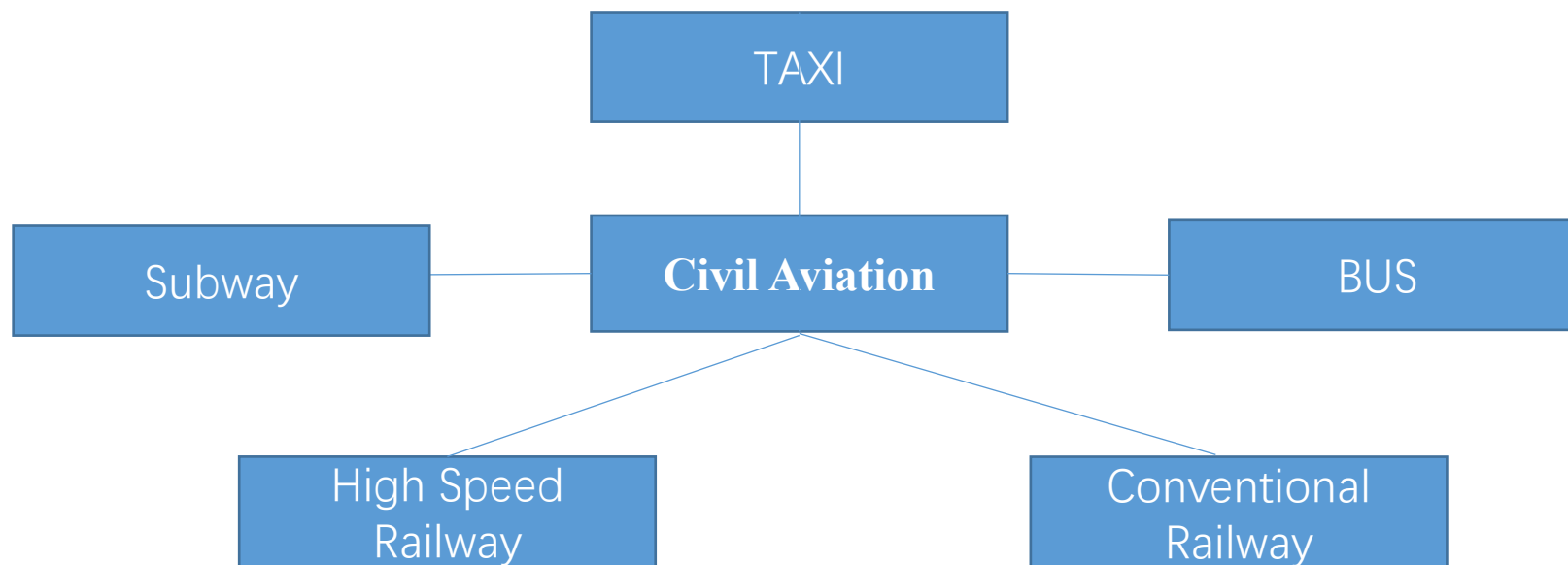


Reformation of Airport Operation





Reformation of Airport Operation





Action by The Meeting

The meeting is invited to:

- a) note the information contained in this paper;
- and
- b) discuss any relevant matters as appropriate.

Thank you