

# Asia/Pacific Airport Coordinators Association (APACA)

Agenda Item 5  
Coordination Parameters

9th APACA meeting  
11 November, 2014  
Hilton Prague, Czech Republic

## Rationale for Defining the Coordination Parameter

According to WSG, Coordination Parameters is defined as “**the operational limits of all technical, operational and environmental factors at the airport**”.

However, this definition is so broad that specific coordination parameter is not clearly understood. The following tables were prepared as a draft for better understanding of the coordination parameters at the airport to be set for the coordination system when the slot is allocated or schedule is facilitated.

The following tables should be refined and coordinated with EUACA and finally should be posted as WSG Additional Documents in IATA's website.

# Coordination Parameters (1)

	Factor	Parameter	Explanation	Example												
R U N W A Y	Environmental Factor	Noise Quota	The number of operations which are allowed to operate at the airport during a day, week or year based on the noise contour forecast which is agreed with local communities.	460 movement/day, 3,200 movements/week, 170,000 Movements/year												
		Night Curfew	Time between late at night and early in the morning when the aircraft operation is not allowed at the airport to protect the environment of local communities.	Night curfew from 23:00 to 6:00 next morning												
		Reduced Operation	The number of operations is reduced during late at night and early in the morning at the airport to protect the environment of local communities.	28 movements/ 60min from 21:00 to 23:00 28 movements/ 60min from 6:00 to 7:00												
C A P A C I T Y	ATC Factor	Movements	The maximum aircraft operations that are allowed for 60 minutes during day time. Depending on the congestion, 30, 15, 10, 5 minutes constraints may be applied at some busy airports.	35 movements/ 60min 18 movements/ 30min 10 movements/ 15min												
		Arr./Dep. Mix (Sliding Scale)	The maximum aircraft movements for 60min, 30min or 15min are set above. Within that maximum, the combination of arrival and departure number are set in a tabular form for more flexible operations.	<table border="1"> <thead> <tr> <th>Arr.</th> <th>Dep.</th> <th>Total.</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>18</td> <td>35</td> </tr> <tr> <td>18</td> <td>17</td> <td>35</td> </tr> <tr> <td>19</td> <td>16</td> <td>35</td> </tr> </tbody> </table>	Arr.	Dep.	Total.	17	18	35	18	17	35	19	16	35
		Arr.	Dep.	Total.												
17	18	35														
18	17	35														
19	16	35														
Rolling Factor	The maximum aircraft movements for 30min or 15min are specified above. This maximum will be applied every 5min or 10min time interval as rolling factor. With this rolling factor, constant maximum will be applied for every 5min or 10min for smoothing the peak.	10 movements/ 15min with a rolling factor of 5min.														

## Coordination Parameters (2)

	Factor	Parameter	Explanation	Example
<b>P A R K I N G</b>	Operation	Minimum Break Time	The time between the block out time of departing aircraft and the block in time of the arriving aircraft on the same parking spot	15 minutes
	Parking	X Large	The aircraft which needs double deck boarding ICAO Code F	A380, B747-800
		Large	The large aircraft which may occupy 2 parking places (Medium) ICAO Code E	B747, B777, B787, A330, A340
		Medium	The middle aircraft which may occupy 1 parking place (Medium) ICAO Code D	A300, A310, B767, MD11, DC10
		Small	The small aircraft ICAO Code C	A320, B737

	Factor	Parameter	Explanation	Example
<b>T E R M I N A L</b>	Passenger Flow	Total, Domestic, International	Total passenger flow will be limited for domestic and international flights depending on the size of the terminal building. This can be counted with the aircraft type and load factor.	Warning: 6,900 persons/h Limit: 7,200 persons/h
	Check-in Counter	Total, Domestic, International	The number of seats for check-in counter is defined based on the aircraft type. The release time for the counter before the departure is also defined.	2 counters for 150 seats 60 minutes for departure