

Table S1. Summary of the results of the comparison between the components of the FBCs with the local urban form-related regulations and guidelines for new urban neighborhoods in Abu Dhabi.

Legend:

S: Standards

G: Guidelines

ADM: Abu Dhabi Municipality

ADUPC: Abu Dhabi Urban Planning Council

DoT: Department of Transportation

	Existing component
	Partially missing component
	Missing component

FBC components		Form-related standards and guidelines in Abu Dhabi			
		Regulation item	Source	Legislation type	
Regulating plan	Administrative role (land use)	Submission requirements- master plan	ADUPC-2 (2013)	S	
	Direct role (street frontage)				
	Planning role	Submission requirements- master plan	ADUPC-2 (2013)	S	
Public spaces standards	Thoroughfare	Movement type	Street typology	ADUPC-1 (2012)	S
		Design speed	Vehicles speed	ADUPC-1 (2012)	S
		Pedestrian crossing time	Pedestrian crossing time	ADUPC-1 (2012)	S
		Traffic lanes	Transport capacity	ADUPC-1 (2012)	S
		Bicycle lanes	Cycle track	ADUPC-1 (2012)	G
		Planter type	Plant selection	ADUPC-1 (2012)	
		Distances between intersections	Junction design: spacing and layout	ADUPC-1 (2012)	S
		Right-of-Way (R.O.W.) width	Right-of-Way (R.O.W.) width	ADUPC-1 (2012)	S
		Curb face to curb face width	Traveled way	ADUPC-1 (2012)	S

		Parking lanes	Parking	ADUPC-1 (2012)DoT (2014)	G
		Curb type	Curb design	ADUPC-1 (2012)	S
		Landscape Type	Landscaping and water use	ADUPC-1 (2012) ADUPC-1 (2010)	S
		Walkway Type	Pedestrian realm (through lane)	ADUPC-1 (2012)	S
		Lighting	Lighting standards	DoT-2 (2013) ADUPC- 1 (2012)	S
		Curb radius	Corner radii	ADUPC-1 (2012)	S
	Civic spaces	General character	Characteristics	ADUPC-1 (2010)	
		Activity type	Features/Activities	ADUPC-1 (2010)	S
		Acreage	Level of service	ADUPC-1 (2010)	S
		Location	Location	ADUPC-1 (2010)	S
		Size	Universal standard for open space	ADUPC-1 (2010)	S
Block standards		Maximum block size	240 m	ADUPC-1 (2014)	S
Building types standards	General description	Description		ADM (2014)	
		Facility type		ADUPC-1 (2014)	S
		Lot size		ADM (2014)	
	Required lot size	Minimum site size for community facilities		ADUPC-1 (2014)	S
		Mosque		ADUPC (2013) ADUPC-1 (2013)	S
	Pedestrian access	Pedestrian access to the plot		ADM (2014)	S
	Frontages				
	Vehicle access and parking	Vehicle access and parking		ADM (2014) ADUPC (2013)	S
	Service	Service		ADUPC-2 (2014)	S
	Open space	Open space		ADM (2014) ADUPC (2013) ADUPC-1 (2014)	S
Landscape	Landscape		ADM (2014)	S	

		Building size and massing			
Building Form Standards	Building placement	Built-to line	Ancillary building for villas	ADM (2014)	S
		Setback	Minimum building setbacks	ADM (2014)	S
		Maximum lot width	Maximum lot width	ADM (2014)	S
		Minimum lot width	Minimum lot width	ADM (2014)	S
	Building form	Minimum building height	Minimum building height	ADM (2014)	S
		Maximum building height	Maximum building height	ADM (2014)	S
		Ground-floor finished level height	Maximum ground floor finished level	ADM (2014)	S
		Minimum ground-floor ceiling height	Minimum ground floor height	ADM (2014)	S
		Minimum upper-floor(s) ceiling height	Minimum first floor height	ADM (2014)	S
		Maximum building depth	The maximum plot coverage	ADM (2014)	S
		Maximum ancillary building size	Majlis	ADM (2014)	S
		Signage	Building facilities	ADUPC-1 (2014)	S
		Signage regulations	ADUPC-2 (2012)	S	
Land uses	Allowed land uses	Land uses	ADM (2014)	S	
Parking regulations	Required spaces and location	Parking regulation	ADM (2014) DoT (2009) DoT (2014)	S	
Frontage type standards	Minimum depth, Height and Width		ADM (2014)	S	
Architectural standards	Massing	Barjeel	ADM (2014)	G	
	Façade combination	Location of entrances		S	
	Windows and doors	Location of windows	ADUPC-5 (2010)	S	
	Elements and details	The use of <i>mashrabiya</i>	ADUPC-4 (2010)	G	
	Materials	Color of exterior wall finish	ADUPC-5 (2010)	S	