

# Maldives Land and Survey Authority,

MINISTRY OF HOUSING AND INFRASTRUCTURE

Ameenee Magu, Maafannu, Male', 20392, Maldives.

Office (PABX): +(960) 3004300, Fax: +(960) 3004254

Email: survey@mhe.gov.mv

Web: www.surveyofmaldives.gov.mv, www.mhe.gov.mv



CONTROL POINT DETAILS		Station Number 5004
Coordinate Information		
Geodetic		Grid
WGS 84		UTM Zone 43
Lat: 3°54'13.11193"N		E: 317791.0884m
Long: 73°21'32.31349"E		N: 431654.1285m
Ellp Height: -85.6892m		Orth Height: 0.9437m
Island Name: Rannalhi, South Male' Atoll		Date: 15 <sup>th</sup> April 2012

### Monument description & method of survey:




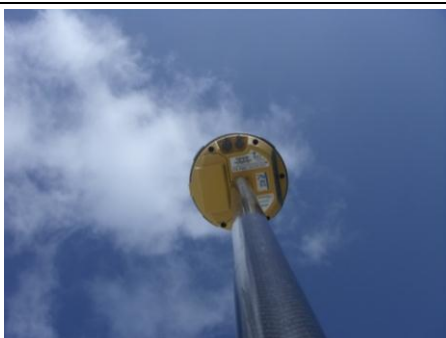


PSM type: PSM type A (finish level approx 150mm above ground level)

PSM was established using Topcon HiperII DGPS system. Static survey method was used for establishing the horizontal coordinate. Three PSM was set at the site and data collect from three transect lines of the triangle. Since the initial three points does not cover the length of the island; a TBM was set at the western end the island and connected to the initial grid. Approximately 6:04hrs of data for line PSM5004-5005, 34mins for line PSM5004-5006 and 34mins for the line PSM5004-TBM. The PSM 5004 is in line of sight to PSM5005. Correction and adjustment are made using Topcon Tools software. MSL established by transferring water level (19/04/2012 15:40) and reducing to MSL using Hulhule predicted tide data set.

### General site condition & access:

The PSM 5004 is located at the wide sandy beach at the eastern side of the island, close to the vegetation line. The PSM is in line of sight to PSM 5005 close to the service jetty. The PSM can be accessible from the beach. Sky view is obstructed at western side (obstructing at 35° elevation angle).

**Owner:** Adaaran Club Rannalhi. The resort management takes full responsibility for safeguarding the PSM.

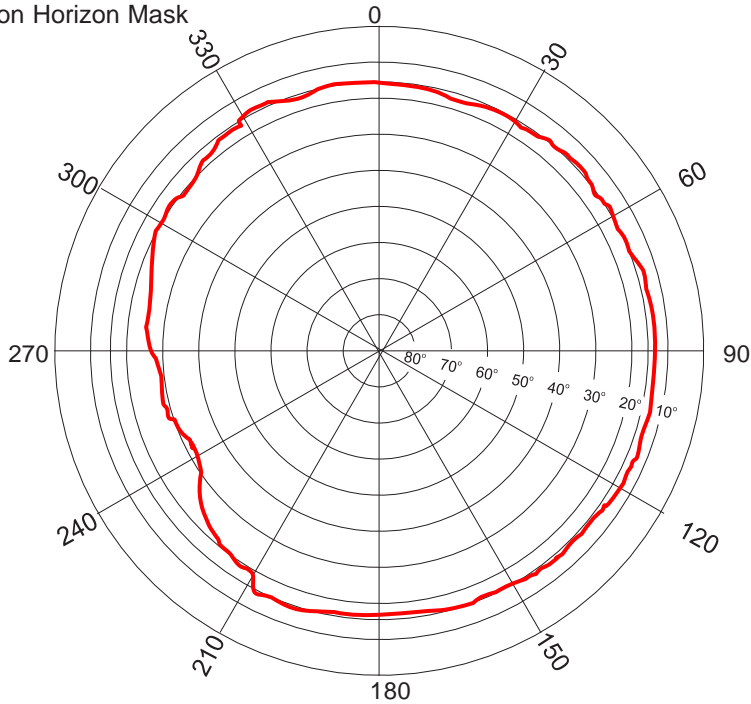
		
Bottom	North	East
		
Up (Camera placed on top of PSM)	South	West

**SITE INFORMATION**

Station Number

P	S	M	5	0	0	4
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**Station Horizon Mask**

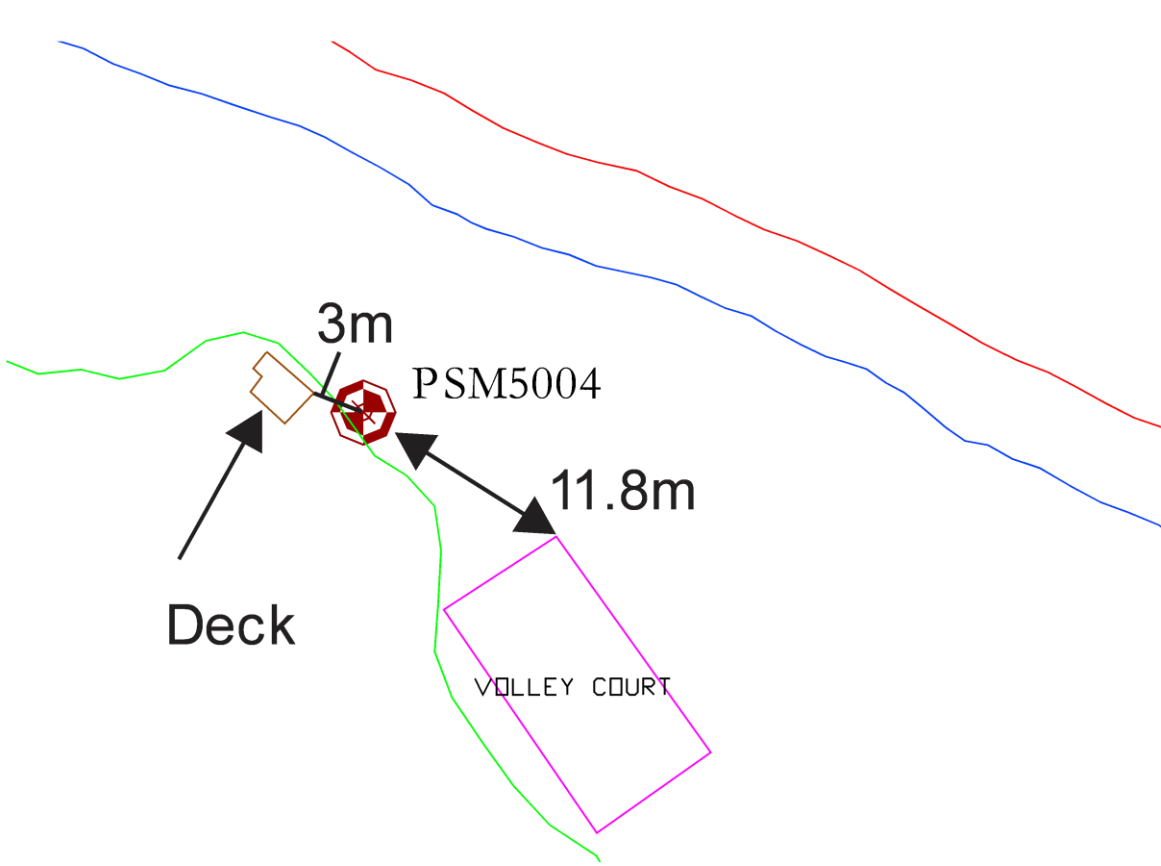


Height above Marker that horizon was mapped from 1.462 m

Magnetic Declination -----  
 Declination applied to this figure?  
 Yes  No



**Locality**



Sketched by: Usman Mohamed

Scale: Not to scale

Date: 04/19/2012

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CONTROL POINT DETAILS	Station Number 5005
Coordinate Information	
Geodetic	Grid
WGS 84	UTM Zone 43
Lat: 3°54'13.93283"N	E: 317736.6943m
Long: 73°21'30.54877"E	N: 431679.4499m
Ellp Height: -85.6180m	Orth Height: 1.0114m
Island Name: Rannalhi, South Male' Atoll	Date: 15 <sup>th</sup> April 2012

### Monument description & method of survey:




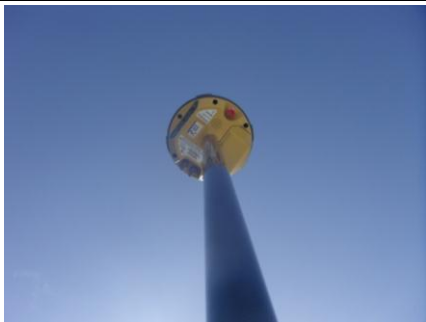


PSM type: PSM type A (finish level approx 150mm above ground level)

PSM was established using Topcon HiperII DGPS system. Static survey method was used for establishing the horizontal coordinate. Three PSM was set at the site and data collect from three transect lines of the triangle. Since the initial three points does not cover the length of the island; a TBM was set at the western end the island and connected to the initial grid. Approximately 6:04hrs of data for line PSM5004-5005, 34mins for line PSM5004-5006 and 34mins for the line PSM5004-TBM. The PSM 5005 is in line of sight to PSM5004. Correction and adjustment are made using Topcon Tools software. MSL established by transferring level from PSM 5004 as part of the level run.

### General site condition & access:

The PSM 5005 is located at the northern side of the wide sandy beach at the eastern side of the island, close to the service jetty. The PSM is in line of sight to PSM 5004 eastern side of the island. The PSM can be accessible from the beach. Sky view is obstructed at western side (obstructing at 25° elevation angle) and at the south western side (obstructing at 40° elevation angle).

**Owner:** Adaaran Club Rannalhi. The resort management takes full responsibility for safeguarding the PSM.

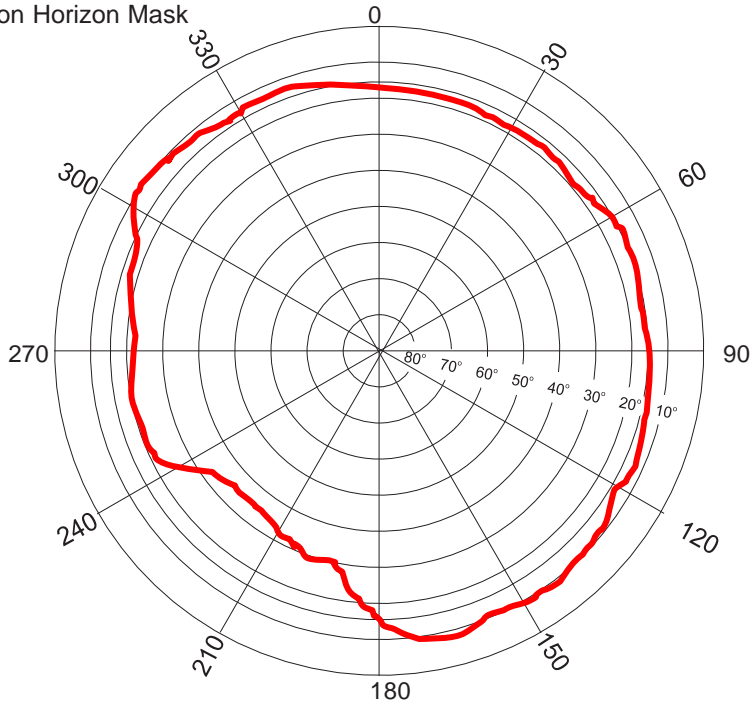
		
Bottom	North	East
		
Up (Camera placed on top of PSM)	South	West

**SITE INFORMATION**

Station Number

P	S	M	5	0	0	5
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**Station Horizon Mask**



Height above Marker that horizon was mapped from 1.447 m

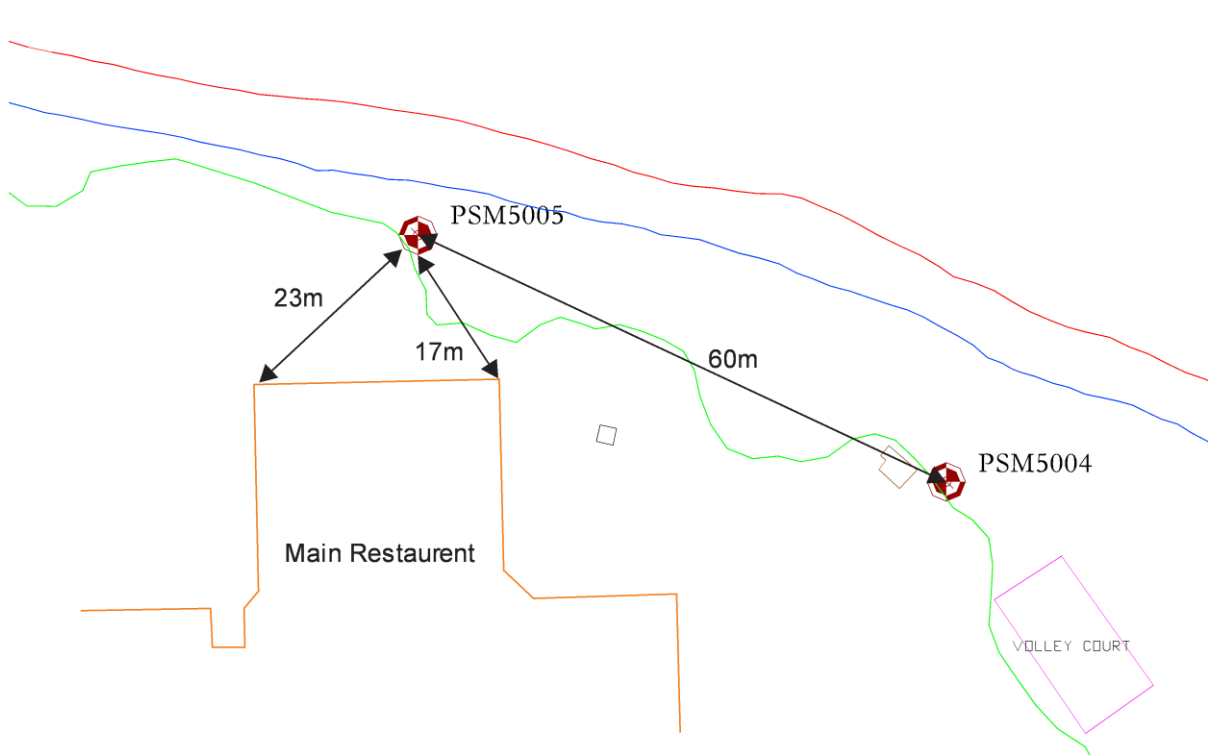
Magnetic Declination -----  
 Declination applied to this figure?  
 Yes  No



**Locality**



N →



Sketched by: Usman Mohamed

Scale: Not to scale

Date: 04/19/2012

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CONTROL POINT DETAILS		Station Number 5006	
Coordinate Information			
Geodetic		Grid	
WGS 84		UTM Zone 43	
Lat: 3°54'11.82569"N		E: 317812.0001m	
Long: 73°21'32.99381"E		N: 431614.5782m	
Ellp Height: -85.7821m		Orth Height: 0.8519m	
Island Name: Rannalhi, South Male' Atoll		Date: 15 <sup>th</sup> April 2012	







### Monument description & method of survey:

PSM type: PSM type A (finish level approx 150mm above ground level)

PSM was established using Topcon HiperII DGPS system. Static survey method was used for establishing the horizontal coordinate. Three PSM was set at the site and data collect from three transect lines of the triangle. Since the initial three points does not cover the length of the island; a TBM was set at the western end the island and connected to the initial grid. Approximately 6:04hrs of data for line PSM5004-5005, 34mins for line PSM5004-5006 and 34mins for the line PSM5004-TBM. Correction and adjustment are made using Topcon Tools software. MSL established by transferring from PSM 5005 as part of level run.

**General site condition & access:** The PSM 5006 is located at the south eastern side of the wide sandy beach at the eastern side of the island, close to the football pitch (football pitch marked on the beach). The PSM can be accessible from the beach. Sky view is obstructed at north west, west and south west side (obstructing at 30° elevation angle).

**Owner:** Adaaan Club Rannalhi. The resort management takes full responsibility for safeguarding the PSM.

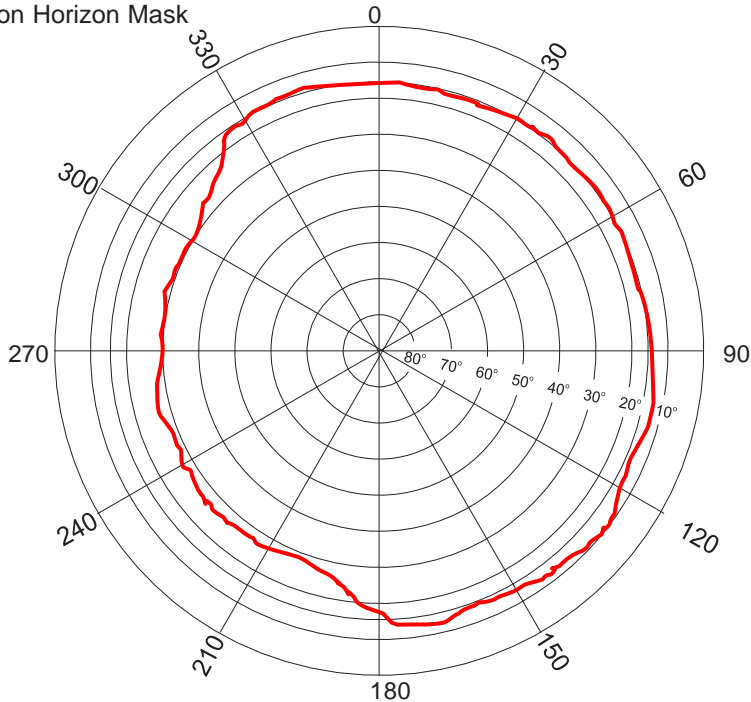
		
Bottom	North	East
		
Up (Camera placed on top of PSM)	South	West

**SITE INFORMATION**

Station Number

P	S	M	5	0	0	6
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**Station Horizon Mask**



Height above Marker that horizon was mapped from 1.394 m

**Locality**



Sketched by: Usman Mohamed

Scale: Not to scale

Date: 04/19/2012