

CARTOGRAPHIC SYMBOLS

- Post Survey Route with kilometre post and reverse kilometre post
- Beach Mark
- Alter Course
- Survey Route
- Coastline (from Admiralty Charts)
- Telecommunications cable position, in Service/Out of Service/Planned (As found in magenta)
- Pipeline position, in Service/Out of Service/Planned (As found in magenta)
- Power cable position, in Service/Out of Service (As found in magenta)
- Chart Matchline
- Territorial Sea / EEZ limit

BATHYMETRY

- Bathymetric contours in metres. Contour interval may be reduced to aid in clarity. All bathymetry reduced to Lowest Astronomical Tide (LAT)
- Approximate limit of swath bathymetry coverage (shown only in areas of full swath)
- Downslope gradient in degrees (°) as measured over the shortest significant distance

SEABED FEATURES AND SHALLOW GEOLOGY

cor	Coral	SC01	Isolated sonar contact with reference number (length x width x height in metres where measurable; n/m = no measurable height)
fac/vcs	Gas seepage area with predominant sediment classification	40/100	Linear sonar contact, dashed where partially buried
fb	Finer sediment (predominantly CLAY/SILT)	WC01	Unidentified magnetic anomaly with reference number and amplitude
cs	Coarse sediment (SAND AND GRAVEL)	GC01	Swath sample location with reference number: GC (Piston Core) GS (Grab Sample) DS (Diver Sample) DP (Diver Probing) SP (Beam Probing)
vcs	Very coarse sediment (COBBLES AND BOULDERS)	CP01	MeiCPT (CP) Location with reference number
fs/vcs	Subcropping ROCK with predominant sediment classification (sediment thickness = target burial depth)	415	Small outcrop of rock with height in metres if discernible
r	ROCK outcrop	410	Subsea DEPRESSION or ROCKMARK with diameter (d) and depth (D) in metres, where discernible
ha	HARDGROUND (Very dense/finer consolidated sediment)		

Sediment or feature boundary: 1/50/2
 Inferred Sediment or Feature Boundary: 1/4/3/8
 Orientation of MEGARIPPLE crest (with wavelength and height in metres)
 Orientation of sediment ribbon
 Orientation of sandwave crest (with wavelength and height in metres)
 Fault with depth below seafloor (fractures on down side)
 Isobath Contours shown at: 1m interval with labels every 1m
 Located wreck with reference no. (length x width x height in metres where measurable)
 Anchorage Area / Fishing Area (Admiralty chart position)
 Anchorage / Fishing Prohibited (Admiralty chart position)

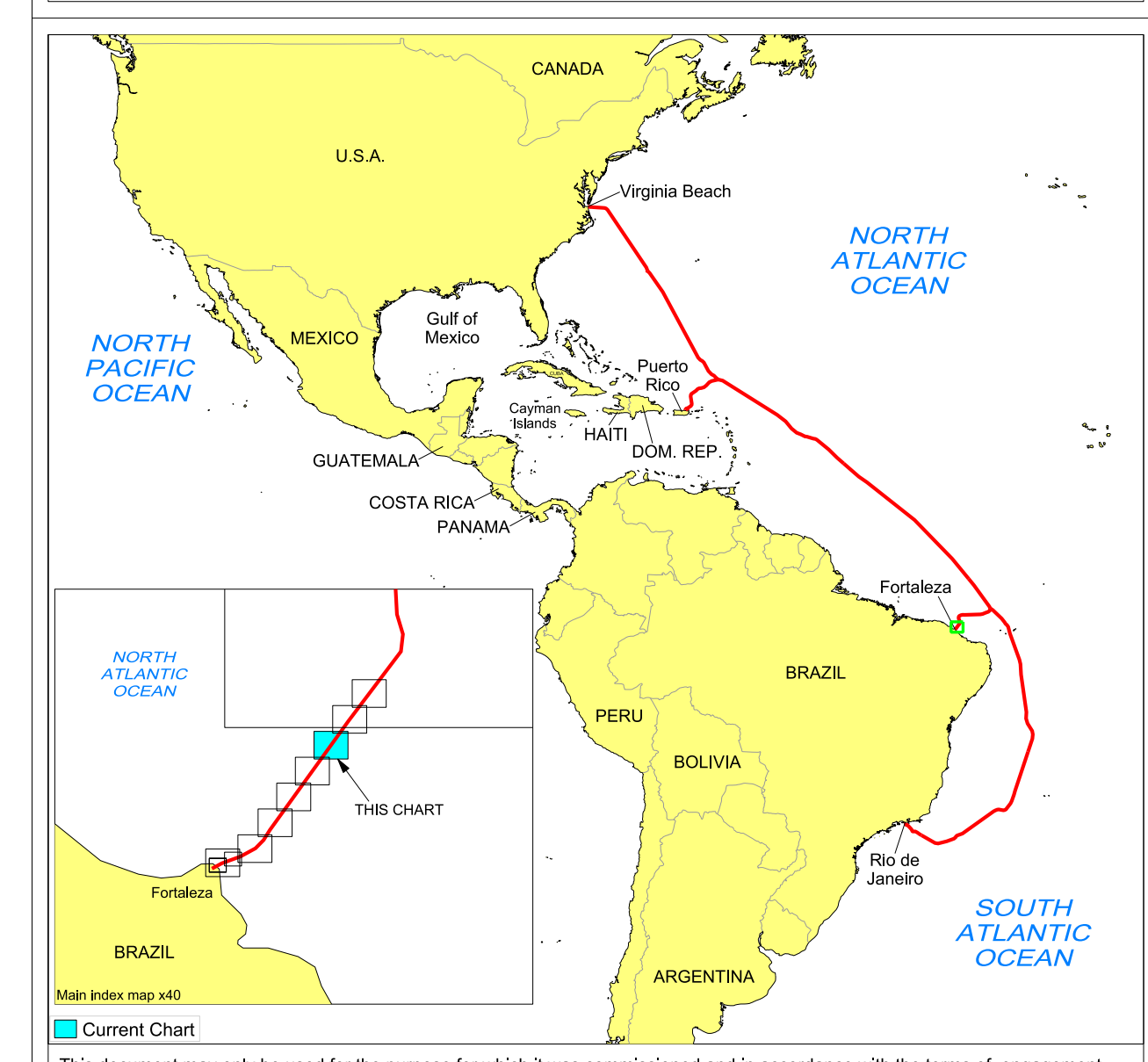
CHART COMMENT:

GENERAL NOTES:
 SURVEY VESSEL: M.V. Ocean Endeavour
 Surface positioning system: Fuga Starlink HP 3000SS
 Bathymetry: Kongsberg EM1002, Kongsberg EM120, Kongsberg S400 Combi

GEODETIC PARAMETERS:

Projection: MERCATOR
 Longitude of Origin: 53°W
 Standard Parallel: 7°N
 Semi-Major Axis (a) (metres): 6378137.000
 Reciprocal Flattening (1/f): 298.257222563

Scale Factor: 1
 Datum: WGS84
 False Easting: 3 000 000
 False Northing: 5 000 000



Survey Date: SEPTEMBER 2016

Scale: NATURAL SCALE 1 : 10,000 at 7°N
 (At Mid-Latitude of Chart, TRUE SCALE 1:10000.7)

Contractor: **Atcatel-Lucent**

Surveyor: **Gardline**

Project Name: **BRUSA CABLE ROUTE SURVEY**

Document Title: **SEGMENT 6 NORTH UP CHART CHART NO. 009 OF 017 (KP 45.301 - KP 54.964)**

01	30.09.2016	HH	SK	CB
Rev	Date	Prepared by	Checked by	Approved by

ROUTE BASED UPON: BRUSA S6 PSR8 File Name: BRUSA.S6.NU009

REVISION 1.1