

# Explanation sheet

## Abr.    Explanation

## Function

### Signalling/Train protection

CBI	Computer based interlocking	Switching of points and optical signals; vital supervision of points, track circuits and signals
ACC	Area control computer	
OSM	Operating and supervision module	
RBC	Radio Block Center	Responsible for generation of ERTMS/ETCS Level 2 movement authorities
	Depot Control	Interlocking for supervision of shunting movements in the depot area
	Periphal CB interlocking	Small interlocking for supervision and control of a block post
∧∧	Balise group fixed	
T	Track section end/start	
┌□	Stop Marker board	
┌□	Stop Marker board with overrun light	

### Control

Central dispatching	Disposition of train runs including conflict resolution
Central operation	Remote control of the whole interlocking system
Control (local)	Interlocking control for fallback situations

### Power supply

DG	Diesel generator
PS	Power supply
UPS	Uninterrupted power supply
Solar	solar-power

### GSM-R

BSC	Base station controller
BTS	Base tranceiver station
MSC	Mobile switching centre

				Date	Name	Project: <b>Brasil High speed line Sao Paulo – Rio de Janeiro</b>	
				Desig.	2009/06/15		Baethge
				Appr.	2009/06/17		Günther
It.	Version	Date	Name				page 1
							<b>OVERVIEW SYSTEM CONFIGURATION 001-0.1</b>

<u>Abr.</u>	<u>Explanation</u>	<u>Function</u>
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Telecom


CCTV	Closed circuit television	supervision of platforms and rooms
ROTS	Railway operation telephone system	
TD	Train destination display	Platform indication
PA	Public address	Acoustic information on platforms
	Clock	
	Customer information	Central customer information management

Ticketing

Ticketing	Peripheral ticketing access point, e.g. ticket machine
Ticketing reservation	Central ticket management

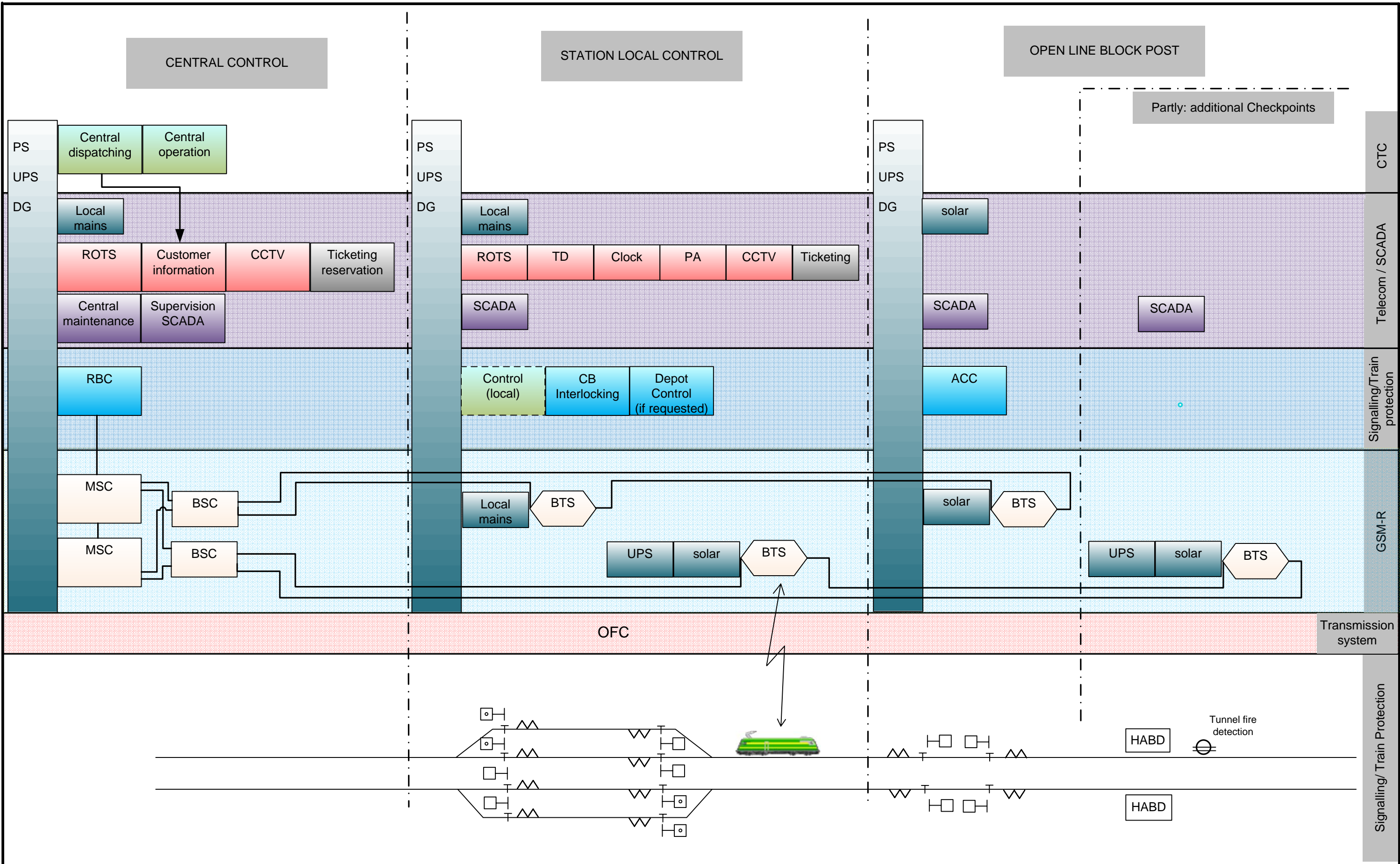
SCADA

SCADA	Supervisory control and data acquisition	Including supervision of:
		- Fire detection (tunnel and stations)
		- Burglary detection
		- Power supply
		- HABD

HABD	Hot axle box detection
	Tunnel fire detection

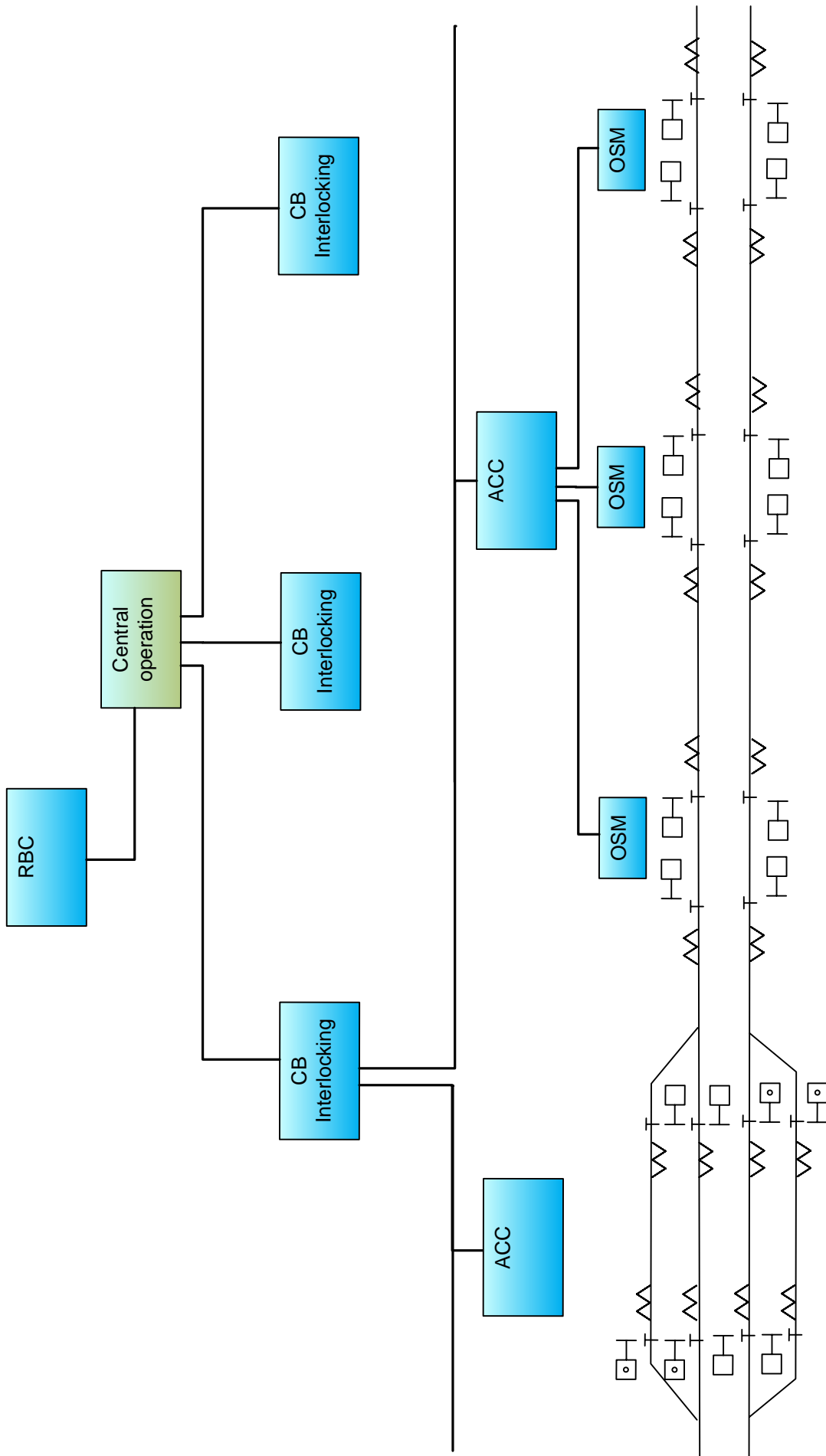
Transmission

OFC	Optical fibre cable
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It.	Version	Date	Name	page 4 total 4											

