

Dicionário de dados

G128 – LAPR3 - BDDAD

Cargo Manifest ->

CARGO_MANIFEST		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA_TYPE	CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	
CARGO_MANIFEST_ID	VARCHAR2(50 BYTE)	FK_PAW_ID	Foreign_Key	null	Id do manifesto de carga.
VEHICLE_ID	VARCHAR2(50 BYTE)	FK_VEHICLE_ID	Foreign_Key	null	Identificação do veículo.
PAW_ID	VARCHAR2(50 BYTE)	PK_CARGO_MANIFEST_ID	Primary_Key	null	Identificação do Porto e Armazém.

Container ->

CONTAINER		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA_TYPE	CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	
CONTAINER_ID	VARCHAR2(50 BYTE)	CK_CONTAINER_GROSS	Check	container_gross>=0	Primary_Key constraint
CONTAINER_PAYLOAD	VARCHAR2(255 BYTE)	CK_CONTAINER_PAYLOAD	Check	container_payload>=0	Maximo de peso do container.
CONTAINER_TARE	FLOAT	CK_CONTAINER_TARE	Check	container_tare>=0	Peso apenas do container.
CONTAINER_GROSS	FLOAT	NN_CONTAINER_GROSS	Check	"CONTAINER_GROSS" IS NOT NULL	Peso do container junto com a carga.
ISO_CODE	VARCHAR2(5 BYTE)	NN_CONTAINER_PAYLOAD	Check	"CONTAINER_PAYLOAD" IS NOT NULL	Codigo de identificação do container.
TEMPERATURE	FLOAT	NN_CONTAINER_TARE	Check	"CONTAINER_TARE" IS NOT NULL	Temperatura a que tem de estar o container.

Vehicle ->

VEHICLE		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA_TYPE	CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	
VEHICLE_ID	VARCHAR2(50 BYTE)	CK_TYPE	Check	type = 'Truck' OR type = 'Ship'	Primary_Key constraint
TYPE	VARCHAR2(255 BYTE)	NN_TYPE	Check	"TYPE" IS NOT NULL	No
		PK_VEHICLE_ID	Primary_Key	null	

Operation ->

OPERATION		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA_TYPE	CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	
OPERATION_ID	VARCHAR2(50 BYTE)	CK_COORDINATE_X	Check	coordinate_x>=0	Primary_Key constraint
CONTAINER_ID	VARCHAR2(50 BYTE)	CK_COORDINATE_Y	Check	coordinate_y>=0	Foreign_Key constraint
CARGO_MANIFEST_ID	VARCHAR2(50 BYTE)	CK_COORDINATE_Z	Check	coordinate_z>=0	Foreign_Key constraint
OPERATION_TYPE	VARCHAR2(255 BYTE)	FK_CARGO_MANIFEST_ID	Foreign_Key	null	Tipo de operação: Carga ou descarga
COORDINATE_X	NUMBER(10,0)	FK_CONTAINER_ID	Foreign_Key	null	Coordenada X da operação.
COORDINATE_Y	NUMBER(10,0)	NN_OPERATION_TYPE	Check	"OPERATION_TYPE" IS NOT NULL	Coordenada Y da operação.
COORDINATE_Z	NUMBER(10,0)	PK_OPERATION_ID	Primary_Key	null	Coordenada Z da operação.

Ports and Wharehouses ->

PORTS AND WHAREHOUSES		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA_TYPE	CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	
PAW_ID	VARCHAR2(50 BYTE)	NN_PAW_ALTITUDE	Check	"PAW_ALTITUDE" IS NOT NULL	Id do Porto/Armazém.
PAW_NAME	VARCHAR2(255 BYTE)	NN_PAW_CONTINENT	Check	"PAW_CONTINENT" IS NOT NULL	Nome do Porto/Armazém.
PAW_CONTINENT	VARCHAR2(255 BYTE)	NN_PAW_COUNTRY	Check	"PAW_COUNTRY" IS NOT NULL	Continente do Porto/Armazem.
PAW_COUNTRY	VARCHAR2(255 BYTE)	NN_PAW_LALITUDE	Check	"PAW_LALITUDE" IS NOT NULL	País do Porto/Armazem.
PAW_LALITUDE	FLOAT	NN_PAW_NAME	Check	"PAW_NAME" IS NOT NULL	Latitude do Porto/Armazém.
PAW_ALTITUDE	FLOAT	PK_PAW_ID	Primary_Key	null	Altitude do Porto/Armazém.

Position Data ->

POSITION DATA		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA TYPE	CONSTRAINT NAME	CONSTRAINT TYPE	SEARCH CONDITION	
POSITION_DATA_ID	VARCHAR2(50 BYTE)	CK_COG	Check	cog >= 0 AND cog <= 359	Id da mensagem.
VECHILE_SHIP_ID	VARCHAR2(50 BYTE)	CK_HEADING	Check	(heading >= 0 AND heading <= 359) OR heading = 511	Id do veículo.
BDT	TIMESTAMP(6)	CK_LATITUDE	Check	latitude >= -90 AND latitude <= 91	Data e hora da mensagem.
LATITUDE	FLOAT	CK_LONGITUDE	Check	longitude >= -180 AND longitude <= 181	Latitude da posição do barco.
LONGITUDE	FLOAT	FK_PD_VEHICLE_SHIP_ID	Foreign_Key	null	Longitude da posição do barco.
SOG	FLOAT	NN_BDT	Check	"BDT" IS NOT NULL	Velocidade a que o barco vai.
HEADING	FLOAT	NN_COG	Check	"COG" IS NOT NULL	Destino do barco.
POSITION	FLOAT	NN_HEADING	Check	"HEADING" IS NOT NULL	Posição em que o barco está.
TRANSCEIVER_CLASS	VARCHAR2(255 BYTE)	NN_LATITUDE	Check	"LATITUDE" IS NOT NULL	Class Transceiver do barco. (A ou B)
		NN_LONGITUDE	Check	"LONGITUDE" IS NOT NULL	
		NN_POSITION	Check	"POSITION" IS NOT NULL	
		NN_SOG	Check	"SOG" IS NOT NULL	
		NN_TRANSCEIVER_CLASS	Check	"TRANSCEIVER_CLASS" IS NOT NULL	
		PK_POSITION_DATA_ID	Primary_Key	null	

Truck ->

TRUCK		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA TYPE	CONSTRAINT NAME	CONSTRAINT TYPE	SEARCH CONDITION	
VECHILE_TRUCK_ID	VARCHAR2(50 BYTE)	FK_VEHICLE_TRUCK_ID	Foreign_Key	null	Primary_Key constraint
PLATE	VARCHAR2(255 BYTE)	NN_PLATE	Check	"PLATE" IS NOT NULL	Matricula do veículo.
		PK_VEHICLE_TRUCK_ID	Primary_Key	null	
		UN_PLATE	Unique	null	

Ship ->

SHIP		CONSTRAINTS			OBSERVAÇÕES
COLUMN_NAME	DATA_TYPE	CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	
VECHILE_SHIP_ID	VARCHAR2(50 BYTE)	CK_CAPACITY	Check	capacity>=0	Id do veiculo.
SHIPNAME	VARCHAR2(255 BYTE)	CK_GENERATORS_NUMBER	Check	generators_number>=0	Nome do Barco
MMSI	NUMBER(9,0)	CK_GENERATORS_POWER	Check	generators_power>=0	Código de identificação do barco
IMO	NUMBER(10,0)	CK_IMO	Check	REGEXP_LIKE(imo,'[0-9]{7}')	Código de identificação do barco
GENERATORS_NUMBER	NUMBER(10,0)	CK_LENGTH	Check	length>=0	Numero de geradores dentro do barco.
GENERATORS_POWER	FLOAT	CK_MMSI	Check	REGEXP_LIKE(mmsi,'[0-9]{9}')	Energia fornecida pelos geradores.
CALL_SIGN	VARCHAR2(255 BYTE)	CK_WIDTH	Check	width>=0	Indicador de chamada do barco.
VESEL_TYPE	NUMBER(10,0)	FK_VEHICLE_SHIP_ID	Foreign_Key	null	Tipo de barco.
LENGTH	FLOAT	NN_CALL_SIGN	Check	"CALL_SIGN" IS NOT NULL	Comprimento do barco.
WIDTH	FLOAT	NN_CAPACITY	Check	"CAPACITY" IS NOT NULL	Largura do barco.
CAPACITY	FLOAT	NN_DRAFT	Check	"DRAFT" IS NOT NULL	Capacidade total do barco.
DRAFT	FLOAT	NN_GENERATORS_NUMBER	Check	"GENERATORS_NUMBER" IS NOT NULL	Distancia entre a linha da agua e o fundo do barco.
		NN_GENERATORS_POWER	Check	"GENERATORS_POWER" IS NOT NULL	
		NN_IMO	Check	"IMO" IS NOT NULL	
		NN_LENGTH	Check	"LENGTH" IS NOT NULL	
		NN_MMSI	Check	"MMSI" IS NOT NULL	
		NN_SHIPNAME	Check	"SHIPNAME" IS NOT NULL	
		NN_VESEL_TYPE	Check	"VESEL_TYPE" IS NOT NULL	
		NN_WIDTH	Check	"WIDTH" IS NOT NULL	
		PK_VEHICLE_SHIP_ID	Primary_Key	null	
		UN_CALL_SIGN	Unique	null	
		UN_IMO	Unique	null	
		UN_MMSI	Unique	null	