Med&BS
RDBFIS

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Hosting, maintenance and further development of the Regional Database for the Mediterranean and Black Seas (RDBFIS)

Specific Contract 2021/3.1.2/03/SC04

Sampling data (CS)
Structure & Validation Scheme

Contents

Sampling data (CS): Detailed biological data

Column Name	Comment	Valid values
sampling_type	Sampling type code: Market sampling of known fishing trips, Sea sampling, Vendor, Market sampling of mixed trips (day trips to market)	any(M, S, V, D)
flag_country	ISO 3166-1 alpha-3 codes	any(BGR, GRC, ESP, FRA, HRV, ITA, CYP, MLT, ROU, SVN)
year	Year	integer [2002,2024]
trip_code	Identifier of the trip to distinguish them, National coding system	free text up to 64 characters
harbour	UN LOCODE reference list is used as code for location by Master Data Register and the Regional DataBase (RDB) Exchange Format. CIRCABC website: https://circabc.europa.eu/ui/group/3cc8c417-0f2a-4eb4-8ff7-10d606	fishing port LOCODE verified based on the country (refer to the validation rule), NK if not known
n_sets_hauls	Total number of hauls/sets taken during the trip. Both the stations where biological measures were taken and the stations that were not worked up should be counted here	If sampling_type=S then values [1-1000], otherwise empty
days_at_sea	Days at sea	If sampling_type=S then values [1-1000], otherwise empty
sampling_method	Sampling method: Observer, SelfSampling	any(Observer, SelfSampling)
aggregation_level	Aggregation level by haul or trip	any(H, T)
station_code	Sequential numbering by trip. If aggregation level is "T", then station number=999	If aggregation_level=T then put 999, otherwise free text up to 32 characters
duration_fishing_operation	In minutes. If aggregation level is "T", the total fishing time is entered	If sampling_type=S then values [1-43200], otherwise empty
initial_latitude	Shooting position in decimal degrees. If aggregation level is "T", the shooting position of the first station is entered	latitude ≥ 34.00000 and ≤ 45.79999, supporting up to 5 decimal places, otherwise empty
initial_longitude	Shooting position in decimal degrees. If aggregation level is "T", the shooting position of the first station is entered	longitude ≥ -9.99999 and ≤ 35.00000, supporting up to 5 decimal places, otherwise empty
final_latitude	Hauling position in decimal degrees. If aggregation level is "T", the hauling position of the first station is entered	latitude ≥ 34.00000 and ≤ 45.79999, supporting up to 5 decimal places, otherwise empty
final_longitude	Hauling position in decimal degrees. If aggregation level is "T", the hauling position of the first station is entered	longitude ≥ -9.99999 and ≤ 35.00000, supporting up to 5 decimal places, otherwise empty

depth_fishing_operation	Fishing operation depth in metres. If aggregation level is "T", the estimated average depth is entered	If sampling_type=S then values [1-1000], otherwise empty
water_depth	Water depth in metres. If aggregation level is "T", the estimated average depth is entered	If sampling_type=S then values [1-1000], otherwise empty
catch_registration	Catch registration: "All"=The part of the catch that was registered. SL record is expected for both landings and discards fractions, "Lan"=SL record is expected only for the landed fraction, "Dis"=SL record is expected only for the discarded fraction,"Non"=There are no SL records. Species registration must also be assigned "Non"	any(All, Lan, Dis, Non)
species_registration	Species registration: "All"=SL record is expected for all species in the given part of the catch, "Par"=Partial, SL record is expected only for some of the caught species, "Non"=None, There are no SL records	any(All, Par, Non)
date	Fishing starting date. If aggregation level is "T", then the date of first station is entered	date in the format dd/mm/yyyy
area	Geographic subarea: GFCM Code	any(GSA1, GSA2, GSA3, GSA4, GSA5, GSA6, GSA7, GSA8, GSA9, GSA10, GSA11.1, GSA11.2, GSA11, GSA12, GSA13, GSA14, GSA15, GSA16, GSA17, GSA18, GSA19, GSA20, GSA21, GSA22, GSA23, GSA24, GSA25, GSA26, GSA27, GSA28, GSA29, GSA30)
fishing_activity_category_national	Fishing activity level 7 / national level code list	free text up to 14 characters
fishing_activity_category_eu_l6	Fishing activity category EU level 6	any(DRB_MOL_0_0_0, FPO_DEF_0_0_0, FYK_CAT_0_0_0, FYK_DEF_0_0_0, GND_DEF_0_0_0, GND_SPF_0_0_0, GNS_DEF_360-400_0_0, GNS_DEF_>=16_0_0, GNS_SLP_>=16_0_0, GTR_DEF_>=16_0_0, LA_SLP_14_0_0, LHP-LHM_FIF_0_0_0, LHP-LHM_CEP_0_0_0 , LLS_DEF_0_0_0, OTB_DEF_>=40_0_0, OTB_DWS_>=40_0_0, OTB_MDD_>=40_0_0, OTM_MPD_>=13_19_0_0 , OTM_MPD_>=20_0_0, PS_SPF_>=14_0_0, PTM_SPF_>=20_0_0 , SB-SV_DEF_0_0_0 , TBB_DEF_0_0_0 , MISC)
species	FAO a3 code, http://www.fao.org/fishery/collection/asfis/en	any ASFIS FAO a3 code
catch_category	Catch category: The fate of the catch (Lan, Dis)	any(Lan, Dis)
weight	Whole weight in grammes, decimal not allowed. Weight of the corresponding stratum (species/catch category)	If sampling_type=S then values [1-99999999], otherwise empty

subsample_weight	Whole sample weight in grammes, decimal not allowed. For sea sampling is the live weight of the sample of the corresponding stratum. For market sampling is the whole weight of the fish measured	integer [1-9999999]
sex	Sex: female, male, transitional (during sex change), indetermined, not determined	any(F, M, T, I, N)
maturity_method	Maturity method: Macroscopical, Histological, NA	any(Macr, Hist, NA)
maturity_scale	Maturity scale: GFCM,NIKOLSKY,MEDITS,WKMAT,WKMSCEPH,WKMSC,WKMSEL,NA	if maturity_method=NA then NA, otherwise any(GFCM scale, NIKOLSKY scale, MEDITS scale, WKMAT scale, WKMSCEPH scale, WKMSC scale, WKMSEL scale)
maturity_stage	Maturity stage	any(0, 1, 2, 2a, 2b, 2c, 2d, 2e, 3, 3a, 3b, 3c, 3d, 4, 4a, 4b, 5, 6, NA)
ageing_method	Ageing method: Scale, Vertebra, Dorsal spine, Anal spine, Ilicium, VBGF	any(OWR, Scale, Vertebra, Dorsal spine, Anal spine, Ilicium, VBGF, NA)
age	Age	number between 0 and 30 or empty
length_code	Length code: cm, mm, scm, 25 mm, 5 cm, NA	any(cm, mm, scm, 25 mm, 5 cm, NA)
length_class	Length class in mm. In case of individual information, the individual length measurement can be entered (it is preferable)	integer [1-99999]
number_at_length	Number at length not raised to whole catch. If individual weights are available, number at length should be equal to 1	integer ≥1 or empty (if length_class is empty then number_at_length should be empty)
commercial_size_category_scale	Commercial size category scale	if catch_registration=Lan then free text up to 32 characters, otherwise NA
commercial_size_category	Commercial size category. If unsorted put NA, size categories in numbers. LI: large individuals, LII: medium-large, LIII: medium sized individuals, LIV: medium-small, LV: small sized individuals (categories 1-10 are defined in accordance with the Spanish sampling protocol)	if catch_category=Lan then any(LI, LII, LIII, LIV, LV, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, NA)), otherwise NA
fish_id	Fish ID, National numbering system of the individual fish	integer ≥1 or empty
individual_weight	Individual weight in grammes	number >0 or empty

Coding system

Country

Code	Description
BGR	Bulgaria
CYP	Cyprus
ESP	Spain
FRA	France
GRC	Greece
HRV	Croatia
ITA	Italy
MLT	Malta
ROU	Romania
SVN	Slovenia

GFCM geographic stratification

Code	Description	Code	Description
GSA1	Northern Alboran Sea	GSA15	Malta Island
GSA2	Alboran Island	GSA16	South of Sicily
GSA3	Southern Alboran Sea	GSA17	Northern Adriatic
GSA4	Algeria	GSA18	Southern Adriatic Sea
GSA5	Balearic Island	GSA19	Western Ionian Sea
GSA6	Northern Spain	GSA20	Eastern Ionian Sea
GSA7	Gulf of Lions	GSA21	Southern Ionian Sea
GSA8	Corsica Island	GSA22	Aegean Sea
GSA9	Ligurian & North Tyrrhenian Sea	GSA23	Crete Island
GSA10	South Tyrrhenian Sea	GSA24	North Levant
GSA11	Sardinia	GSA25	Cyprus Island
GSA11.1	Sardinia (west)	GSA26	South Levant
GSA11.2	Sardinia (east)	GSA27	Levant
GSA12	Norther Tunisia	GSA28	Marmara Sea
GSA13	Gulf of Hammamet	GSA29	Black Sea
GSA14	Gulf of Gabes	GSA30	Azov Sea

Fishing activity category level 7 / national level

Code	Description
OTB_shelf	Bottom otter trawl targeting demersal species on shelf
OTB_slope	Bottom otter trawl targeting demersal species on slope
OTB_ mixed	Bottom otter trawl targeting demersal species on mixed shelf and slope
LLS_shelf	Set longlines for demersal fish on shelf
LLS_slope	Set longlines for demersal fish on slope

Med&BS Fishing activity category level 6

Code	Description
DRB_MOL_0_0_0	Boat dredge for molluscs
FPO_DEF_0_0_0	Pot and Traps for demersal species
FYK_CAT_0_0_0	Fyke nets for eels
FYK_DEF_0_0_0	Fyke nets for demersal species

Med&BS Fishing activity category level 6

Code	Description
GND_DEF_0_0_0	Driftnets for demersal fish
GND_SPF_0_0_0	Driftnets for small pelagic fish
GNS_DEF_360-400_0_0	Set gillnets for demersal fish (for Black Sea region)
GNS_DEF_>=16_0_0	Set gillnets for demersal fish according meshsize regulation
GNS_SLP_>=16_0_0	Set gillnets for small and large pelagics according meshsize regulation
GTR_DEF_>=16_0_0	Set trammel nets for demersal species according meshsize regulation
LA_SLP_14_0_0	Lampara nets according to meshsize regulation
LHP-LHM_FIF_0_0_0	Hand and Pole lines for finfish
LHP-LHM_CEP_0_0_0	Hand and Pole lines for cephalopods
LLS_DEF_0_0_0	Set longlines for demersal fish
OTB_DEF_>=40_0_0	Bottom otter trawl for demersal species
OTB_DWS_>=40_0_0	Bottom otter trawl for deep water species
OTB_MDD_>=40_0_0	Bottom otter trawl for mixed demersal and deep water species
OTM_MPD_>=13_19_0_0	Pelagic trawl according meshsize regulation (for Black Sea region)
OTM_MPD_>=20_0_0	Midwater otter trawl for mixed demersal and pelagic species
PS_SPF_>=14_0_0	Purse seine for small pelagics according meshsize regulation
PTM_SPF_>=20_0_0	Pelagic pair trawl for small pelagic species
SB-SV_DEF_0_0_0	Beach and boat seines for demersal species
TBB_DEF_0_0_0	Beam trawl for demersal trawling
MISC	Miscellaenousmetiers (defined at national level)

Sampling type

Code	Description
M	Market sampling of known fishing trips
S	Sea sampling
V	Vendor
D	Market sampling of mixed trips (day trips to market)

Sampling method

Code	Description
Observer	Sampling by observer
SelfSampling	Sampling by fishers

Aggregation level

Code	Description
H	Haul
T	Trip

Catch registration

Code	Description
All	The part of the catch that was registered. SL record is expected for both landings and discards fractions.
Lan	SL record is expected only for the landed fraction.
Dis	SL record is expected only for the discarded fraction.
Non	There are no SL records. Species registration must also be assigned "Non"

Species registration

Code	Description
All	SL record is expected for all species in the given part of the catch
Par	Partial: SL record is expected only for some of the caught species
Non	None: There are no SL records.

Catch category

Code	Description
Dis	Discards
Lan	Landings

Sex

Code	Description
F	Female
M	Male
T	Transitional (during sex change)
I	Indetermined
N	Not determined

Maturity method

Code	Description
Macr	Macroscopical
Hist	Histological

Maturity scale & stage

Stages	Description
0	
1	
2	
2a	
2b	
2c	
2d	**Medits scales**. Description of codes depending on species category– see Annexes VIII.A – VIII.E of 2016 Medits Handbook.
2e	Stage 5 is used only for *Merluccius merluccius* for converting the Medits maturity scale to the one proposed by workshop WKMAT (Annex IX of 2016 Medits Handbook)
3	
3a	
3b	
3c	
3d	
4	
4a	
4b	
5	
1-5	**WKMAT scale**
0-5	**WKMSC scale**

Maturity scale & stage

Stages	Description
0	
1	
2	
3a	WKMSEL scale
3b	
4a	
4b	
0	
1	
2a	
2b	WKMSCEPH scale
3a	
3b	

Ageing method

Code	Description
OWR	Otolith (winter rings)
Scale	Scale
Vertebra	Vertebra
Dorsal spine	Dorsal spine
Anal spine	Anal spine
Ilicium	Ilicium

Length code

Code	Description
mm	
scm	Semi-centimetre (0.5cm)
cm	
25 mm	
5 cm	

Commercial size category

Code	Description
LI	large individuals
LII	medium-large
LIII	medium sized individuals
LIV	medium-small
LV	small sized individuals
1 – 10	are defined in accordance with the Spanish sampling protocol
NA	Not available

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
BGR	BG999	Bulgaria - Unknown	BGR	BGKRE	Kraymorie
BGR	BGADB	AdaBahcha	BGR	BGKRH	Krushari
BGR	BGAHE	Aheloy	BGR	BGKRP	Krapets
BGR	BGAKH	Akhtopol	BGR	BGKRT	Karantinata
BGR	BGALB	Albena	BGR	BGKVN	Kavarna
BGR	BGAMO	Amonal	BGR	BGKZK	Kazanlak
BGR	BGANT	AntonIvanov	BGR	BGKZO	Kazashko
BGR	BGARK	Arkutino	BGR	BGLES	Lesport
BGR	BGASP	AsparuhovoKeya	BGR	BGLMC	Lyubimets
BGR	BGBAL	Balchik	BGR	BGLOM	Lom
BGR	BGBHZ	Buhtazapad	BGR	BGLZC	Lozenets
BGR	BGBLV	Beloslav	BGR	BGMCH	MalkaChayka
BGR	BGBN2	Buna 102	BGR	BGMEC	Mecheto
BGR	BGBN3	Buna 103	BGR	BGMTI	MalkoTarnovo
BGR	BGBNA	Buna 101	BGR	BGNES	Nessebar
BGR	BGBOJ	Burgas	BGR	BGOBZ	Obzor
BGR	BGBOL	Bolata	BGR	BGOLT	Oltomantsi
BGR	BGBYL	Byala	BGR	BGOPK	Opaka
BGR	BGCHA	Chayka	BGR	BGORE	Orehovo
BGR	BGCHM	Chernomorets	BGR	BGOTM	Otmanli
BGR	BGCHN	Chernomore	BGR	BGPAN	Panorama
BGR	BGCHO	Chukalya	BGR	BGPDV	Plovdiv
BGR	BGDAL	Dalboka	BGR	BGPOR	Pomorie
BGR	BGDKO	Durankulak	BGR	BGPRI	Primorsko
BGR	BGDUP	Dupnica	BGR	BGPVL	Pavel
BGR	BGEZE	Ezerets	BGR	BGPVN	Pleven
BGR	BGEZR	Ezerovo	BGR	BGRAV	Ravda
BGR	BGFRE	Frenkliman	BGR	BGRD2	Rodopa 2
BGR	BGGOV	GornaOryahovica	BGR	BGRDA	Rodopa 1
BGR	BGGOZ	GornaOryakhovitsa	BGR	BGRDU	Ruse
BGR	BGHKV	Haskovo	BGR	BGRDZ	Rudozem
BGR	BGIRA	Irakli	BGR	BGREZ	Rezovo
BGR	BGJAM	Jambol	BGR	BGRUS	Rusalka
BGR	BGKAM	Kamchia	BGR	BGSAR	Sarafovo
BGR	BGKAT	Katunitza	BGR	BGSBA	SBA
BGR	BGKB3	KavarnaBuna 3	BGR	BGSEK	SeverEksport
BGR	BGKBA	KavarnaBuna 1	BGR	BGSHA	Shabla
BGR	BGKDG	Kurdzhali	BGR	BGSHK	Shkorpilovtsi
BGR	BGKIT	Kiten	BGR	BGSIN	Sinemorets
BGR	BGKOK	Kokodiva	BGR	BGSLI	StankeLisitchkovo
BGR	BGKOL	Kulata	BGR	BGSLK	Slivkata
BGR	BGKON	Konstantinovo	BGR	BGSLS	Silistra
BGR	BGKRA	Kranevo	BGR	BGSOF	Sofia

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
BGR	BGSOZ	Sozopol	CYP	CYZYG	ZygiFishingShelter
BGR	BGSTR	Strashimirovo	ESP	ES999	Spain - Unknown
BGR	BGSVG	Svoge	ESP	ESAAE	Arcade
BGR	BGSVI	Svistov	ESP	ESABG	Los Abrigos
BGR	BGSVV	SvetiVlas	ESP	ESACE	Arrecife de Lanzarote
BGR	BGSWG	Svilengrad	ESP	ESADI	Aldan-Hio
BGR	BGSZR	StaraZagora	ESP	ESADR	Adra
BGR	BGTGV	Targoviste	ESP	ESAEM	Alcalá
BGR	BGTOL	Tolbuhin	ESP	ESAER	Ares
BGR	BGTPL	Topoli	ESP	ESAGA	Agaete
BGR	BGTRK	Trakata	ESP	ESAGD	La Guardia
BGR	BGTRV	Tsarevo	ESP	ESAGP	Málaga
BGR	BGTUZ	Tuzlata	ESP	ESAGU	Águilas
BGR	BGTYL	Tyulenovo	ESP	ESALC	Alicante
BGR	BGVAR	Varna	ESP	ESALD	Alcudia
BGR	BGVAZ	Varna-Zapad	ESP	ESALG	Algeciras
BGR	BGVES	Veslets	ESP	ESALT	Algorta
BGR	BGVID	Vidin	ESP	ESAND	Andraitx
BGR	BGVRV	Varvara	ESP	ESAQA	Altea
BGR	BGVTC	VrskaCuka	ESP	ESARI	Arguineguín
BGR	BGXXX	RIS Inlandwaterways	ESP	ESARN	Arenys de Mar
BGR	BGYVA	YahtklubVarna	ESP	ESARW	Armintza
BGR	BGZEL	Zelenka	ESP	ESAVS	Aviles
BGR	BGZLA	Zlatarevo	ESP	ESAYA	Ayamonte
BGR	BGZVE	Zvezditsa	ESP	ESBAD	Badalona
CYP	CY999	Cyprus - Unknown	ESP	ESBAR	La Barranquera
CYP	CYAFS	AkrotirifishingShelter	ESP	ESBCD	Bustio
CYP	CYAYI	AyiaNapaFishingShelter	ESP	ESBCN	Barcelona
CYP	CYDFS	DekeliaFishingShelter	ESP	ESBDF	Barbate
CYP	CYGEO	AyiosGeorgiosFishingShelter	ESP	ESBDN	Bodion
CYP	CYLAR	LarnacaPort	ESP	ESBEM	Benidorm
CYP	CYLAT	LatchiPort	ESP	ESBIO	Bilbao
CYP	CYLCA	Larnaca	ESP	ESBLA	Blanes
CYP	CYLFS	LarnacaFishingShelter	ESP	ESBLE	Barallobre
CYP	CYLIM	LimassolNewPort	ESP	ESBNI	Benicarlo
CYP	CYLOP	LimassolOldPort	ESP	ESBNU	Bañugues
CYP	CYNIC	Nicosia	ESP	ESBQB	Barquero-Bares
CYP	CYORM	OrmidiaFishingShelter	ESP	ESBRL	Burela
CYP	CYPAR	ParalimniFishingShelter	ESP	ESBRM	Bermeo
CYP	CYPFO	PaphosPort	ESP	ESBRX	Burriana
CYP	CYPOM	PomosFishingShelter	ESP	ESBTS	Betanzos
CYP	CYPOT	PotamosFishingShelter	ESP	ESBUE	Bueu
CYP	CYPYR	PyrgosFishingShelter	ESP	ESBVN	Buenavista
CYP	CYTRI	AyiaTriadaFishingShelter	ESP	ESBYN	Bayona
CYP	CYXYL	XylofagouFishingShelter	ESP	ESBZS	Bouzas

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ESP	ESCA2	Candas	ESP	ESDEL	Deltebre
ESP	ESCAB	Cala Bona	ESP	ESDNA	Denia
ESP	ESCAD	Cádiz	ESP	ESDVA	Deva
ESP	ESCAG	Cangas	ESP	ESEAN	ElPindo
ESP	ESCAP	Cabo de Palos	ESP	ESEAS	SanSebastián
ESP	ESCAR	Cartagena	ESP	ESECP	Campello
ESP	ESCAS	Castellon de la Plana (El Grao)	ESP	ESEEJ	Almerimar (ElEjido)
ESP	ESCAW	Canido	ESP	ESEEL	ElPuntal
ESP	ESCAY	Castell de Ferro	ESP	ESEEM	Elanchove
ESP	ESCBD	Cambados	ESP	ESEEN	ElCotillo
ESP	ESCBL	Cambrils	ESP	ESEGR	ElGrove
ESP	ESCBM	Cabrera	ESP	ESEPC	ElPerelló (Sueca)
ESP	ESCBY	Combarro	ESP	ESEPL	ElPalo - PuertoCandado
ESP	ESCCM	Castillo del Romeral	ESP	ESEPN	Estepona
ESP	ESCCN	Corcubión	ESP	ESEPT	Espasante
ESP	ESCCZ	Cabo de Cruz - Boiro	ESP	ESERA	Cullera
ESP	ESCDK	Casas De Alcanar	ESP	ESERO	ElRompido
ESP	ESCED	Cedeira	ESP	ESESC	Escombreras
ESP	ESCEE	Cee	ESP	ESETT	Estartit
ESP	ESCEI	Candelaria	ESP	ESETY	S'Estanyol de Migjorn
ESP	ESCEM	Cala-Ratjada	ESP	ESEWE	Fuenterrabia
ESP	ESCEU	Ceuta	ESP	ESFGL	Fuengirola
ESP	ESCFE	Calafell	ESP	ESFGU	Figueras
ESP	ESCHP	Chipiona	ESP	ESFHR	Fuencaliente
ESP	ESCHR	Caleta del Sebo, La Graciosa	ESP	ESFNE	Finisterre
ESP	ESCIL	Carril	ESP	ESFNI	Formentera (CalaSavina)
ESP	ESCIN	Cayon	ESP	ESFRN	Fornells
ESP	ESCIO	Cillero	ESP	ESFRO	Ferrol
ESP	ESCIV	Ciervana	ESP	ESFUE	Puerto del Rosario
ESP	ESCLO	Cudillero	ESP	ESGAB	Granadilla de Abona
ESP	ESCLP	Calpe	ESP	ESGAN	Gandia
ESP	ESCLY	Celorio	ESP	ESGAR	Garrucha
ESP	ESCMY	Camelle	ESP	ESGDS	Guardamar del Segura
ESP	ESCNO	Cariño	ESP	ESGIJ	Gijon (ElMusel)
ESP	ESCOD	Colindres	ESP	ESGLE	La Escala
ESP	ESCOS	Santa Cristina de Cobres	ESP	ESGMR	San Sebastián de la Gomera
ESP	ESCOX	Corme	ESP	ESGRC	Garachico
ESP	ESCPE	Campelo	ESP	ESGTI	Guetaria
ESP	ESCR2	Corrubedo	ESP	ESGTL	GranTarajal
ESP	ESCRS	Carboneras	ESP	ESHUV	Huelva
ESP	ESCSB	ColoniaSanJorge	ESP	ESIAL	Isla de Arosa
ESP	ESCSO	Castropol	ESP	ESIAM	Isla de Tabarca
ESP	ESCSU	CastroUrdiales	ESP	ESIAS	Camariñas
ESP	ESDAA	Carreira-Aguiño	ESP	ESIBZ	Ibiza
ESP	ESDAC	Mundaca	ESP	ESJAV	Javea

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ESP	ESJLA	San Juan de la Arena	ESP	ESMQE	Marbella
ESP	ESKLL	La Ametlla De Mar	ESP	ESMRA	Moraira
ESP	ESLAA	Ampolla	ESP	ESMRS	Muros
ESP	ESLAF	La Restinga	ESP	ESMSN	ElMasnou
ESP	ESLAH	La Aldea	ESP	ESMTG	Montgat
ESP	ESLAK	Los Gigantes	ESP	ESMTO	Mataró
ESP	ESLAX	Lage	ESP	ESMTU	Motrico
ESP	ESLCG	La Coruña	ESP	ESMZO	Mazarron
ESP	ESLCI	La Caleta de Interián	ESP	ESNEM	Niembro
ESP	ESLCO	Luanco	ESP	ESNOA	Noia
ESP	ESLCR	Los Cristianos	ESP	ESOLL	Comillas
ESP	ESLCT	La Caleta (Caleta de Velez)	ESP	ESOLV	Oliva
ESP	ESLDO	Laredo	ESP	ESOND	Ondarroa
ESP	ESLEI	Almería	ESP	ESOOP	Cadaques
ESP	ESLEL	Calella de la Costa	ESP	ESOPM	Oropesa del Mar
ESP	ESLEP	Lepe	ESP	ESORI	Orio
ESP	ESLEQ	Lequeitio	ESP	ESOVN	Oviñana
ESP	ESLES	La Estaca	ESP	ESOZL	Orzola
ESP	ESLLC	Llansa	ESP	ESPAB	Porís de Abona
ESP	ESLLI	La Linea de la Concepción	ESP	ESPAL	Palamós
ESP	ESLLO	Lloret de Mar	ESP	ESPAM	PlayaSan Marcos
ESP	ESLNS	Llanes	ESP	ESPAS	Pasajes
ESP	ESLPA	Las Palmas - Puerto de la Luz	ESP	ESPBO	PortBou
ESP	ESLPC	La Puebla del Caramiñal	ESP	ESPCL	PuertoColon (PlayaAmericas)
ESP	ESLRC	Lorbe	ESP	ESPCR	PortoCristo
ESP	ESLRT	Lira-Carnota	ESP	ESPEV	Pontevedra
ESP	ESLS3	Lastres	ESP	ESPGU	ElPuertito de Güimar
ESP	ESLST	La Santa - Tinajo	ESP	ESPHD	PuntaHidalgo
ESP	ESLUA	Luarca	ESP	ESPMA	Palmeira
ESP	ESMAH	Mahón	ESP	ESPMI	Palma de Mallorca
ESP	ESMAI	Malpica de Bergantiños	ESP	ESPNJ	Panjón
ESP	ESMAN	Mazagón	ESP	ESPNL	Peñíscola
ESP	ESMDT	San Miguel de Tajao	ESP	ESPOR	Portugalete
ESP	ESMED	ElMedano	ESP	ESPPS	Playa de Santiago (Gomera)
ESP	ESMEI	Meira	ESP	ESPRD	PortoColom
ESP	ESMEO	Mera-Oleiros	ESP	ESPRT	Portosín
ESP	ESMGA	Mugia	ESP	ESPSA	Pollensa
ESP	ESMGR	Mugardos	ESP	ESPSJ	Playa San Juan - GuiaIsora
ESP	ESMHR	MorroJable	ESP	ESPSL	Puerto de Sóller
ESP	ESMLN	Melilla	ESP	ESPSM	Puerto de Santa María
ESP	ESMNO	Miño	ESP	ESPTD	Puentedeume
ESP	ESMOA	Moaña	ESP	ESPTM	Punta del Moral
ESP	ESMOR	Puerto de Morás	ESP	ESPTN	Puerto del Son
ESP	ESMOT	Motril	ESP	ESPUC	Puerto del Carmen
ESP	ESMPG	Marin	ESP	ESPVG	Puerto de Vega

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ESP	ESQAA	Perellonet	ESP	ESSRL	Sardina de Gáldar
ESP	ESQAE	Puerto de Santiago	ESP	ESSTR	Ortiguera
ESP	ESQAH	PuertoNaos	ESP	ESSUN	Suances
ESP	ESQAI	PuertoEspindola	ESP	ESSVB	San Vicente de la Barquera
ESP	ESQAJ	Port de la Selva	ESP	ESSVQ	Sevilla
ESP	ESQIU	Ciudadela	ESP	ESSXX	Sanjenjo
ESP	ESQLY	Playa Blanca	ESP	ESTAG	Teis-Chapela
ESP	ESRAC	Rajo	ESP	ESTAN	Taliarte - Melenara
ESP	ESRBS	Ribadesella	ESP	ESTAR	Tarragona
ESP	ESRED	Redondela	ESP	ESTAZ	Tazacorte
ESP	ESREE	Redes	ESP	ESTOR	Torrevieja
ESP	ESRGA	Arinaga	ESP	ESTPC	Tapia de Casariego
ESP	ESRHR	Rinlo	ESP	ESTRF	Tarifa
ESP	ESRIA	Rianjo	ESP	ESTRR	Torredembarra
ESP	ESRIB	Ribadeo	ESP	ESTZN	Tazones
ESP	ESROS	Rosas	ESP	ESUNR	La Atunara
ESP	ESROT	Rota	ESP	ESVCR	Villaricos
ESP	ESRQM	Roquetas de Mar	ESP	ESVEM	Villajuan
ESP	ESRUZ	Puerto de la Cruz	ESP	ESVEN	Villanueva
ESP	ESSAA	San Antonio Abad	ESP	ESVGO	Vigo
ESP	ESSAD	Sada	ESP	ESVGR	ValleGran Rey
ESP	ESSAG	Sagunto	ESP	ESVIE	Vicedo
ESP	ESSAN	SanAdrián	ESP	ESVIL	Villagarcia de Arosa
ESP	ESSAP	SanPedroPescador	ESP	ESVIV	Vivero
ESP	ESSAT	Salinetas	ESP	ESVIZ	Viavelez
ESP	ESSBA	Sanlucar De Barrameda	ESP	ESVJY	Villajoyosa
ESP	ESSCI	SanCiprián	ESP	ESVLC	Valencia
ESP	ESSCK	SanCristóbal	ESP	ESVLG	Vilanova y la Geltrú
ESP	ESSCR	San Carlos de la Rápita	ESP	ESVZR	Vinaroz
ESP	ESSCT	SantaCruz de Tenerife	ESP	ESVZZ	Premiá de Mar
ESP	ESSDR	Santander	ESP	ESZAU	Zarauz
ESP	ESSEM	SanAndrés	ESP	ESZBB	LasGalletas
ESP	ESSEO	SanEsteban de Pravia	ESP	ESZBE	Foz
ESP	ESSFO	San Fernando	ESP	ESZEA	Conil
ESP	ESSFU	SanFeliu de Guixols	ESP	ESZGA	Isla Cristina
ESP	ESSIT	Sitges	ESP	ESZIH	Mogán
ESP	ESSMR	Santa Marta de Ortigueira	ESP	ESZJM	Pineda
ESP	ESSNI	SantaEugenia de Riveira	ESP	ESZJN	Portonovo
ESP	ESSNN	Santoña	ESP	ESZJU	Pontecesures
ESP	ESSNR	Santurce	ESP	ESZJY	PuntaUmbria
ESP	ESSNY	Santañí	ESP	ESZME	SanPol de Mar
ESP	ESSPC	Santa Cruz de La Palma	ESP	ESZMG	ElPris - Tacoronte
ESP	ESSPO	SantaPola	ESP	ESZMY	Zumaya
ESP	ESSPP	SanPedro del Pinatar	ESP	ESZOD	Plencia
ESP	ESSPT	SanctiPetri	ESP	ESZRJ	Corralejo

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FR2GX	Barfleur	FRA	FRAVN	Avignon
FRA	FR5TB	Saint-Trojan-les-Bains	FRA	FRAVR	Avranches
FRA	FR999	France - Unknown	FRA	FRAWR	AberWrac'h
FRA	FRAA2	Asnelles	FRA	FRAYS	Aire-sur-la Lys
FRA	FRAA4	Audenge	FRA	FRAYZ	Ayze
FRA	FRABB	Abbeville	FRA	FRAZR	Arzal
FRA	FRAC5	L'Arcouëst / Cornec	FRA	FRBAE	Barcelonnette
FRA	FRADB	Andernos-les-Bains	FRA	FRBAI	Basse-Indre
FRA	FRADN	Arradon	FRA	FRBAN	Bantzenheim
FRA	FRAER	Ars-en-Ré	FRA	FRBAS	Bassens
FRA	FRAGD	Agde	FRA	FRBAT	Batilly
FRA	FRAGF	Agen	FRA	FRBAU	Boucau
FRA	FRAHZ	L'Alpe-d'Huez	FRA	FRBAY	Bayonne
FRA	FRAIS	Cassis	FRA	FRBB4	Baie de Bourgneuf
FRA	FRAJA	Ajaccio	FRA	FRBCJ	LeBarcarès
FRA	FRAJJ	Angoulins	FRA	FRBDD	Bidart
FRA	FRALE	Alençon	FRA	FRBE5	La BelleEtoile
FRA	FRALM	Argelès-sur-Mer	FRA	FRBEA	Beaune
FRA	FRALS	Alès	FRA	FRBEC	Bec-d'Ambès
FRA	FRAMA	Saint-Chamas	FRA	FRBEE	Berre
FRA	FRAMB	Ambérieux	FRA	FRBEG	Béning-lès-Saint-Avold
FRA	FRAMI	Amiens	FRA	FRBEI	Berguette
FRA	FRANE	Angers	FRA	FRBEL	Bellegarde-sur-Valserine
FRA	FRANG	Angoulême	FRA	FRBES	Brest
FRA	FRANM	Annemasse	FRA	FRBET	Béthune
FRA	FRANO	Langon	FRA	FRBEV	Berville-sur-Mer
FRA	FRANT	Antibes	FRA	FRBG4	Brigneau
FRA	FRAOO	Adour	FRA	FRBG5	Buguélès
FRA	FRAOV	Agon-Coutainville	FRA	FRBG6	Brouage
FRA	FRAQU	Asques	FRA	FRBGG	Brignogan-Plage
FRA	FRAR5	Argenton	FRA	FRBH3	Bréhec
FRA	FRARC	Arcachon	FRA	FRBH4	Bourcefranc-le-Chapus
FRA	FRARL	Arles	FRA	FRBI3	Billiers
FRA	FRARR	Arras	FRA	FRBI4	Belle-Île-en-Mer
FRA	FRART	Artix	FRA	FRBIA	Bastia
FRA	FRAS3	L'Aiguillon-sur-Mer	FRA	FRBIM	Bischheim
FRA	FRASB	Aulnay-sous-Bois	FRA	FRBIQ	Biarritz
FRA	FRATV	Albertville	FRA	FRBL5	LeBrusc
FRA	FRAUC	Auch	FRA	FRBLA	Blainville-sur-l'Eau
FRA	FRAUD	Audierne	FRA	FRBLD	Bar-le-Duc
FRA	FRAUF	Auxerre	FRA	FRBLO	Blois
FRA	FRAUG	Aubergenville	FRA	FRBM5	BegMeil
FRA	FRAUL	Aulnoye-Aymeries	FRA	FRBM6	BegMelen
FRA	FRAUR	Aurillac	FRA	FRBM7	Bernières-sur-Mer
FRA	FRAVF	Avoriaz	FRA	FRBM8	Bricqueville-sur-Mer

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRBMR	Batz-sur-Mer	FRA	FRCEP	Cergy
FRA	FRBN2	Binic	FRA	FRCEQ	Cannes
FRA	FRBN4	LeBonhomme	FRA	FRCER	Cherbourg
FRA	FRBNL	Bonneuil-les-Eaux	FRA	FRCET	Cholet
FRA	FRBNS	Boussens	FRA	FRCEV	Crépy-en-Valois
FRA	FRBNV	Barneville-Carteret	FRA	FRCFE	Clermont-Ferrand
FRA	FRBO2	Bono	FRA	FRCFP	Cap-Ferret
FRA	FRBOD	Bordeaux	FRA	FRCFR	Caen
FRA	FRBOL	Boulogne-sur-Mer	FRA	FRCG2	St-Cast-le-Guildo
FRA	FRBON	Bonifacio	FRA	FRCG3	Cargèse
FRA	FRBOR	Belfort	FRA	FRCH9	LesChamps
FRA	FRBOU	Bourges	FRA	FRCHA	Chartres
FRA	FRBR2	Bestrée	FRA	FRCHL	Châtellerault
FRA	FRBR5	La Barbotière	FRA	FRCHM	Charleville-Mézières
FRA	FRBRA	Bercy-Rapee/Paris	FRA	FRCHN	Chaulnes
FRA	FRBRE	Brétigny-sur-Orge	FRA	FRCHO	Choisy-le-Roi
FRA	FRBS3	LesBrochets	FRA	FRCHR	Chateauroux
FRA	FRBSC	Bonsecours	FRA	FRCHS	Champigneulles
FRA	FRBSG	Bourg-sur-Gironde	FRA	FRCHX	Chateaucreux/Saint-Etienne
FRA	FRBSN	Besançon	FRA	FRCHY	Chauny
FRA	FRBSS	Belleville-sur-Saône	FRA	FRCIF	Cap-d'Antifer
FRA	FRBTD	Bastide/Bordeaux	FRA	FRCJH	Charron
FRA	FRBVA	Beauvais	FRA	FRCL6	Claouey
FRA	FRBVE	Brive-la-Gaillarde	FRA	FRCL7	Cléder
FRA	FRBVM	Blainville-sur-Mer	FRA	FRCLA	Clamart
FRA	FRBYE	Blaye	FRA	FRCLE	Cléon
FRA	FRBZ6	Bouzigues	FRA	FRCLU	Cluses
FRA	FRBZB	Brézellec	FRA	FRCLY	Calvi
FRA	FRBZR	Béziers	FRA	FRCM5	Campoloro
FRA	FRC2H	Chausey	FRA	FRCM6	Camoël
FRA	FRCA5	LeCanon	FRA	FRCM8	Courseulles-sur-Mer
FRA	FRCA7	LeCanal	FRA	FRCM9	St-Christoly-Medoc
FRA	FRCAM	Camaret-sur-Mer	FRA	FRCMF	Chambéry
FRA	FRCAR	Château-Arnoux	FRA	FRCMP	Compiègne
FRA	FRCAS	Castres	FRA	FRCMR	Colmar
FRA	FRCAV	Cavaillon	FRA	FRCMT	Chaumont
FRA	FRCAY	Cayeux-sur-Mer	FRA	FRCN5	Centuri
FRA	FRCBT	Capbreton	FRA	FRCN6	Contis
FRA	FRCC5	CapCoz	FRA	FRCNG	Cognac
FRA	FRCCF	Carcassonne	FRA	FRCOC	Concarneau
FRA	FRCDG	Charles-de-Gaulle Apt/Paris	FRA	FRCOE	Corbeil-Essonnes
FRA	FRCDM	Champs-de-Mars/Lille	FRA	FRCOR	Corbehem
FRA	FRCE9	LeCollet	FRA	FRCOU	Coussol/Fos-sur-Mer
FRA	FRCEB	Cerbère	FRA	FRCQ2	LeConquet
FRA	FRCEJ	Conflans-en-Jarnisy	FRA	FRCQF	Calais

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRCQI	Carqueiranne	FRA	FREBQ	Etang de Bages-Sigean
FRA	FRCQK	Cogolin	FRA	FREBU	Saint-Étienne
FRA	FRCQV	Cosqueville	FRA	FREDH	Etang de Mauguio
FRA	FRCQX	Crach	FRA	FREDM	La Roche-sur-Yon
FRA	FRCR2	Carro	FRA	FREEA	Estuaire de la Gironde
FRA	FRCRD	Creutzwald	FRA	FREGC	Bergerac
FRA	FRCRL	Creil	FRA	FREGL	Etang de l'Ayrolle
FRA	FRCRN	Carantec	FRA	FREL2	L'Epoids
FRA	FRCRO	Cronenbourg/Strasbourg	FRA	FRELS	Étaples
FRA	FRCRT	Carteret	FRA	FREMR	Porquerolles
FRA	FRCRX	Contrexéville	FRA	FRENC	Nancy
FRA	FRCS9	Cassy	FRA	FREOE	Estuaire de la Loire
FRA	FRCSM	Châlons-en-Champagne	FRA	FREPL	Épinal
FRA	FRCSS	Chalon-sur-Saône	FRA	FRESO	Éragny
FRA	FRCT4	Chaillevette	FRA	FRET2	Étretat
FRA	FRCTA	Carentan	FRA	FRETB	Berre-l'Étang
FRA	FRCUN	Couëron	FRA	FRETN	Menton
FRA	FRCUZ	Culoz	FRA	FREVI	Évian-les-Bains
FRA	FRCVF	Courchevel	FRA	FREVR	Evry
FRA	FRCXY	Cordemais	FRA	FREVT	EtangduPrévost
FRA	FRDAX	Dax	FRA	FREZE	Mèze
FRA	FRDBE	Bénodet	FRA	FRF2N	Gouville-sur-Mer
FRA	FRDBI	Donville-les-Bains	FRA	FRF2V	Fermanville
FRA	FRDEI	Denneville	FRA	FRFAC	Facture
FRA	FRDEL	Delle	FRA	FRFDE	Fort-de-France
FRA	FRDGD	Damgan	FRA	FRFEC	Fécamp
FRA	FRDGN	Digne	FRA	FRFEY	Feyzin
FRA	FRDHA	Dahouët	FRA	FRFNI	Nîmes
FRA	FRDIJ	Dijon	FRA	FRFOI	Foix
FRA	FRDIL	Diélette	FRA	FRFOR	Forbach
FRA	FRDKK	Dunkerque	FRA	FRFOS	Fos-sur-Mer
FRA	FRDLE	Dole	FRA	FRFOU	Fougères
FRA	FRDLV	Délivrance/Lille	FRA	FRFRJ	Fréjus
FRA	FRDNR	Dinard	FRA	FRFRO	Frontignan
FRA	FRDOI	Douai	FRA	FRFSC	Figari
FRA	FRDOL	Deauville	FRA	FRFUA	Fouras
FRA	FRDON	Donges	FRA	FRG2X	Groix
FRA	FRDPE	Dieppe	FRA	FRGAD	Gaillard
FRA	FRDRE	Dreux	FRA	FRGAI	Gaillon
FRA	FRDRZ	Douarnenez	FRA	FRGAN	Gannat
FRA	FRDSM	Dives-sur-Mer	FRA	FRGAT	Gap
FRA	FRDUT	Lanildut	FRA	FRGB2	Guéthary
FRA	FRDUU	LeDouhet	FRA	FRGBC	Grandpuits-Bailly-Carrois
FRA	FRDXA	LesDeux-Alpes	FRA	FRGC2	St Gilles-Croix-de-Vie
FRA	FRE29	Etel	FRA	FRGCP	Grandcamp

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRGE2	LeGuildo	FRA	FRHOT	Île-d'Houat
FRA	FRGE3	Le Grand Etier de Sallertaine	FRA	FRHOU	Hourcade/Bordeaux
FRA	FRGEX	Gex	FRA	FRHR3	Locmaria
FRA	FRGFR	Granville	FRA	FRHRF	Harfleur
FRA	FRGG2	LesGougins, Saint-Marcouf	FRA	FRHSA	Hauteville-sur-Mer
FRA	FRGIN	Giens	FRA	FRHTP	Châtelaillon-Plage
FRA	FRGIS	Givors	FRA	FRHTR	LeChâteau-d'Oléron
FRA	FRGJE	GolfeJuan	FRA	FRHUN	Huningue
FRA	FRGLG	Garges-lès-Gonesse	FRA	FRIDH	Îles du Golfe du Morbihan
FRA	FRGLO	Gonfreville-l'Orcher	FRA	FRIDX	Île-d'Aix
FRA	FRGMS	Gujan-Mestras	FRA	FRIDY	Île-d'Yeu
FRA	FRGN3	Saint-Guenole	FRA	FRIEC	Riec-sur-Bélon
FRA	FRGNB	Grenoble	FRA	FRIHR	Île-de-Bréhat
FRA	FRGO2	StGeorgesd'Oleron	FRA	FRILR	L'Île-Rousse
FRA	FRGPA	Loguivy-Plougras	FRA	FRIRI	Irigny
FRA	FRGPO	Grand-Fort-Philippe	FRA	FRIRR	Île-Grande
FRA	FRGQE	GrandPiquey	FRA	FRISM	Isigny-sur-Mer
FRA	FRGR5	Goury	FRA	FRISS	Issoire
FRA	FRGRA	Gretz-Armainvilliers	FRA	FRIZO	Izon
FRA	FRGRC	Grand-Couronne	FRA	FRJAM	Saint-Jacut-de-la-Mer
FRA	FRGRE	Guillotière/Lyon	FRA	FRJJT	LesJacquets
FRA	FRGRS	Grasse	FRA	FRJLP	Juan-les-Pins
FRA	FRGRV	Gravelines	FRA	FRJUV	Juvisy-sur-Orge
FRA	FRGTN	Genêts	FRA	FRKOC	Kérascouët
FRA	FRGUE	Guéret	FRA	FRKOK	Kerroch
FRA	FRGUI	Guingamp	FRA	FRKRE	Kerlouan
FRA	FRGUZ	Bouzigues	FRA	FRKSI	Koréjou / Saint-Michel
FRA	FRGV5	Gâvres	FRA	FRKSL	Kastellac'h
FRA	FRGV6	Gravette	FRA	FRKTK	Kérity
FRA	FRGVC	Guilvinec	FRA	FRKUK	Kerdruc
FRA	FRGVL	Gennevilliers	FRA	FRLAC	Lacq
FRA	FRHAB	Chablis	FRA	FRLAD	L'Ardoise
FRA	FRHAE	Hagondange	FRA	FRLAI	Lannion
FRA	FRHAG	Haguenau	FRA	FRLAN	Langres
FRA	FRHB3	L'Herbe	FRA	FRLAO	Laon
FRA	FRHCN	Clohars-Carnoët	FRA	FRLAR	LesArcs
FRA	FRHDO	Hoedic	FRA	FRLAT	Lavelanet
FRA	FRHEB	Hénin-Beaumont	FRA	FRLAU	Lauterbourg
FRA	FRHEN	Hendaye	FRA	FRLAV	Lavéra
FRA	FRHET	Hennebont	FRA	FRLB3	Larmor-Baden
FRA	FRHHL	LeTeich	FRA	FRLBG	LeBourgetApt/Paris
FRA	FRHID	L'Herbaudiere	FRA	FRLBI	LeSequestreApt/Albi
FRA	FRHMX	Île-de-Batz	FRA	FRLBM	LeBlanc-Mesnil
FRA	FRHOE	Hoerdt	FRA	FRLBQ	LeBoucau
FRA	FRHON	Honfleur	FRA	FRLBY	La Baule

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRLC5	La Cotinière	FRA	FRLN5	Langrune-sur-Mer
FRA	FRLCH	La Chapelle/Paris	FRA	FRLO4	Larros
FRA	FRLCR	LeCreusot	FRA	FRLO6	Lanmodez
FRA	FRLCT	La Ciotat	FRA	FRLOC	Loctudy
FRA	FRLDC	Latour-de-Carol	FRA	FRLON	Longueville
FRA	FRLDE	Lourdes	FRA	FRLOU	Saint-Louis-de-Montferrand
FRA	FRLDM	La Barre-de-Monts	FRA	FRLOY	Longwy
FRA	FRLDN	Landerneau	FRA	FRLP2	LePalais
FRA	FRLDV	Landivisiau	FRA	FRLP4	Larmor-Plage
FRA	FRLE6	Landeda	FRA	FRLPA	La Poterie-Cap-d'Antifer
FRA	FRLEB	LeBoulou	FRA	FRLPE	La Pallice
FRA	FRLEH	LeHavre	FRA	FRLPY	LePuy-en-Velay
FRA	FRLEN	Lens	FRA	FRLQ3	Locmiquelic
FRA	FRLEP	LePassage	FRA	FRLQ4	Locquemeau
FRA	FRLEZ	Lézardrieux	FRA	FRLQ5	Locquirec
FRA	FRLF2	Lège-Cap-Ferret	FRA	FRLR3	Locmariaquer
FRA	FRLF3	La Fosse	FRA	FRLR4	Lauberlac'h
FRA	FRLFK	La Flotte/Île de Ré	FRA	FRLR5	Landrellec
FRA	FRLFR	LeFrêt	FRA	FRLR8	La RocheJaune
FRA	FRLFY	La Fresnaye-au-Sauvage	FRA	FRLR9	Lamarque
FRA	FRLGR	LeGrau-du-Roi	FRA	FRLRH	La Rochelle
FRA	FRLGU	LeGuildo/Créhen	FRA	FRLRT	Lorient
FRA	FRLHH	La Hume	FRA	FRLSO	LesSables-d'Olonne
FRA	FRLHP	L'Hospitalet-Pas-de-la-Case	FRA	FRLT3	La Tranche-sur-Mer
FRA	FRLI4	Lechiagat	FRA	FRLTQ	LeTouquet-Paris-Plage
FRA	FRLIA	L'Isle-d'Abeau	FRA	FRLTR	LeTréport
FRA	FRLIB	Libourne	FRA	FRLU2	Saint-Mandrier-sur-Mer
FRA	FRLIG	Limoges	FRA	FRLUL	LesUlis
FRA	FRLIO	Lyon	FRA	FRLUM	Lumes
FRA	FRLIV	Lingreville	FRA	FRLV4	Larvor
FRA	FRLJA	Lanton	FRA	FRLVA	Laval
FRA	FRLKL	Lesconil	FRA	FRLVE	LeVerdon-sur-Mer
FRA	FRLLA	LesLaumes	FRA	FRLVV	La Veuve
FRA	FRLLE	Lille	FRA	FRLXV	La Croix-Valmer
FRA	FRLLS	Lons-le-Saunier	FRA	FRLYN	BronApt/Lyon
FRA	FRLM2	Lion-sur-Mer	FRA	FRLYO	Lyons-la-Forêt
FRA	FRLM5	La Malle	FRA	FRLYS	Saint-ExupéryApt/Lyon
FRA	FRLM6	La Mareschale	FRA	FRLZF	La Forêt-Fouesnant
FRA	FRLM7	La Meule	FRA	FRM2R	Marennes
FRA	FRLM8	Luc-sur-Mer	FRA	FRMAC	Mâcon
FRA	FRLMA	La Madeleine	FRA	FRMAL	Malesherbes
FRA	FRLMD	La Mède	FRA	FRMAN	Mantes-la-Jolie
FRA	FRLME	LeMans	FRA	FRMAR	Marmande
FRA	FRLN3	Lomener	FRA	FRMAU	Maubeuge
FRA	FRLN4	Landevennec	FRA	FRMCI	Macinaggio

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRMCQ	Macau	FRA	FRMRS	Marseille
FRA	FRMCU	Montluçon	FRA	FRMSG	Mortagne-sur-Gironde
FRA	FRMCX	Morcenx	FRA	FRMSM	Mont-Saint-Martin
FRA	FRMD7	LesMonards	FRA	FRMTD	Montbéliard
FRA	FRMDM	Mont-de-Marsan	FRA	FRMTM	Montélimar
FRA	FRMDN	Modane	FRA	FRMTR	Montereau-faut-Yonne
FRA	FRME2	LeMagouer	FRA	FRMTU	Martigues
FRA	FRME5	Île de Molène	FRA	FRMTX	Montoir-de-Bretagne
FRA	FRMEA	Meaux	FRA	FRMUN	Mulhouse Nord
FRA	FRMEL	Melun	FRA	FRMVV	Megève
FRA	FRMEN	Mende	FRA	FRMWR	Marseillan
FRA	FRMEZ	Mézidon-Canon	FRA	FRMXN	Morlaix
FRA	FRMFX	Méribel	FRA	FRMZM	Metz
FRA	FRMG8	Morgat	FRA	FRNAE	Nantes-Armées
FRA	FRMGN	Marignane	FRA	FRNAN	Nanterre
FRA	FRMHB	La Trinité-sur-Mer	FRA	FRNAR	Narbonne
FRA	FRMI2	Mindin	FRA	FRNCE	Nice
FRA	FRMI3	LeMigron	FRA	FRNCY	Annecy
FRA	FRMI4	LeMorin	FRA	FRNES	Neussargues-Moissac
FRA	FRMI5	Mogueriec	FRA	FRNEU	Neufchâteau
FRA	FRMI7	Merrien	FRA	FRNIT	Niort
FRA	FRMIG	Migennes	FRA	FRNLS	Noisy-le-Sec
FRA	FRMIL	Millau	FRA	FRNMS	Nemours
FRA	FRMIM	Mitry-Mory	FRA	FRNOI	Noirmoutier-en-l'Île
FRA	FRMIR	Miramas	FRA	FRNOU	Port-la-Nouvelle
FRA	FRMLH	Mulhouse	FRA	FRNTE	Nantes
FRA	FRMLV	Marne-la-Vallée	FRA	FRNUO	Nord-Boulogne
FRA	FRMM4	Meyran	FRA	FRNVS	Nevers
FRA	FRMM5	MoulinMer	FRA	FROBS	Aubenas
FRA	FRMM6	Montmartin-sur-Mer	FRA	FROI2	Omonville
FRA	FRMMZ	Mimizan	FRA	FROII	LeCroisic
FRA	FRMND	Mandelieu-la-Napoule	FRA	FRONE	Gonesse
FRA	FRMO5	Meschers-sur-Gironde	FRA	FRORA	Orange
FRA	FRMO7	Mousterlin	FRA	FRORR	Orléans
FRA	FRMOC	Montchanin	FRA	FROS2	Ouessant
FRA	FRMOE	Montataire	FRA	FROTM	Ottmarsheim
FRA	FRMOL	Molsheim	FRA	FROTY	LeCrotoy
FRA	FRMOR	Morteau	FRA	FROUB	Soubise
FRA	FRMOS	Montargis	FRA	FROUI	Ouistreham
FRA	FRMOT	Montauban	FRA	FROUL	Oullins
FRA	FRMOU	Moulins	FRA	FROUR	Bourgogne
FRA	FRMPL	Montpellier	FRA	FROYO	Oyonnax
FRA	FRMR3	Mornac-sur-Seudre	FRA	FRP9S	PortesNeuves
FRA	FRMR4	La Martinière	FRA	FRPA2	Plouguerneau
FRA	FRMRN	Marans	FRA	FRPAB	Pont-l'Abbé

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRPAF	Palavas-les-Flots	FRA	FRPO3	Pont de la Corde
FRA	FRPAI	Paimpol	FRA	FRPO4	Porto
FRA	FRPAM	Pont-à-Mousson	FRA	FRPOI	Poissy
FRA	FRPAP	Pauillac	FRA	FRPON	Pontarlier
FRA	FRPAR	Paris	FRA	FRPOR	Portes-lès-Valence
FRA	FRPB2	Port-Blanc	FRA	FRPOV	Port-Vendres
FRA	FRPBA	Portbail	FRA	FRPOX	Pontrieux
FRA	FRPBC	PorsBeach	FRA	FRPPL	Port-Louis
FRA	FRPBF	Paimboeuf	FRA	FRPPM	Pempoul
FRA	FRPBP	PortduBloscon	FRA	FRPPN	Pointe-a-Pitre
FRA	FRPBY	Pleubian	FRA	FRPR2	Port-du-Plomb
FRA	FRPCV	Porscave	FRA	FRPR6	Portsall
FRA	FRPD3	LePouldu	FRA	FRPRC	Pornic
FRA	FRPDA	Pont-d'Ain	FRA	FRPRJ	Port-Joinville
FRA	FRPDB	Port-de-Bouc	FRA	FRPRP	Propriano
FRA	FRPDH	Port-des-Barques	FRA	FRPRV	Privas
FRA	FRPDP	Port-de-Piles	FRA	FRPRY	Perrigny
FRA	FRPDR	Pont-du-Rhin/Strasbourg	FRA	FRPS6	La Passerelle
FRA	FRPDW	LePain de Sucre	FRA	FRPS9	Perros
FRA	FRPE3	Pors-Even	FRA	FRPSI	Pors-Gelin
FRA	FRPET	Petit-Couronne	FRA	FRPSL	Port-Saint-Louis-du-Rhône
FRA	FRPF2	PortleFour	FRA	FRPSS	Portet-Saint-Simon
FRA	FRPG5	Port de Goulée	FRA	FRPT3	PortTudy
FRA	FRPGC	Plougrescant	FRA	FRPT4	PortNeuf
FRA	FRPGF	Perpignan	FRA	FRPTN	Porte-Neuve/Dijon
FRA	FRPGR	Perros-Guirec	FRA	FRPTQ	LePetit-Quevilly
FRA	FRPGX	Périgueux	FRA	FRPU4	Plouescat
FRA	FRPH8	PorsPoulhan	FRA	FRPUF	Pau
FRA	FRPHE	Penhors	FRA	FRPUI	La Puye
FRA	FRPI2	Pirou	FRA	FRPUP	PetitPiquey
FRA	FRPI4	Piraillan	FRA	FRPVO	Porto-Vecchio
FRA	FRPI9	Prefailles	FRA	FRPVU	Pourville
FRA	FRPIR	Piriac-sur-Mer	FRA	FRPXN	LePellerin
FRA	FRPIS	Poitiers	FRA	FRPYO	Canet-en-Roussillon
FRA	FRPJE	Port-Jérôme	FRA	FRPZ3	Port-Lazo
FRA	FRPL4	LePouliguen	FRA	FRQRU	Quiberville
FRA	FRPL5	PortLay	FRA	FRQUI	Quiberon
FRA	FRPLG	La Plagne	FRA	FRQUL	Querqueville
FRA	FRPLM	Paray-le-Monial	FRA	FRQUY	Erquy
FRA	FRPLO	Plougasnou	FRA	FRQXB	Aix-en-Provence
FRA	FRPM4	Port-Maubert	FRA	FRQYR	Troyes
FRA	FRPM5	La Palmyre	FRA	FRR4B	Arromanches-les-Bains
FRA	FRPM6	PortManec'h	FRA	FRRA3	Rosbras
FRA	FRPMH	Ploumanac'h	FRA	FRRCM	Saint-Briac-sur-Mer
FRA	FRPN6	Port Nord	FRA	FRRCO	Rochefort

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRRDN	Redon	FRA	FRSCY	Saint-Cyprien/Toulouse
FRA	FRRDZ	Rodez	FRA	FRSDI	Saint-Dié
FRA	FRRE2	LeRocher	FRA	FRSE2	Saint-Evette
FRA	FRREI	Reichstett	FRA	FRSE3	Santec
FRA	FRREM	Remoulins	FRA	FRSEC	Serre-Chevalier
FRA	FRREV	Revigny-sur-Ornain	FRA	FRSEL	Sélestat
FRA	FRRHE	Reims	FRA	FRSEN	Sens
FRA	FRRIC	Richwiller	FRA	FRSET	Sète
FRA	FRRIO	Riom	FRA	FRSEV	Sèvres
FRA	FRRIV	Rivesaltes	FRA	FRSFP	Six-Fours-les-Plages
FRA	FRRNE	Roanne	FRA	FRSG9	Saint-Germain-sur-Ay
FRA	FRRNS	Rennes	FRA	FRSGD	Saint-Germain-au-Mont-d'Or
FRA	FRRO3	Ravenoville	FRA	FRSH8	Salinsd'Hyères
FRA	FRRO4	Roscanvel	FRA	FRSHE	Roullet-Saint-Estèphe
FRA	FRROG	Rognac	FRA	FRSI3	Île de Sein
FRA	FRRON	Roncq	FRA	FRSIB	Sibelin
FRA	FRROO	OrléansSta/Rouen	FRA	FRSJD	Saint-Jean-de-Maurienne
FRA	FRROS	Roscoff	FRA	FRSJG	Saint-Julien-en-Genevois
FRA	FRROU	Roubaix	FRA	FRSL5	Saint-Laurent-de-la-Salanque
FRA	FRRR2	Raguenes	FRA	FRSL8	Saint-Laurent-sur-Mer
FRA	FRRSA	Roquebrune-sur-Argens	FRA	FRSLA	Saint-Laud/Angers
FRA	FRRSS	Romilly-sur-Seine	FRA	FRSLO	Saint-Lô
FRA	FRRTB	Port-en-Bessin-Huppain	FRA	FRSM5	Sainte-Marie-du-Mont
FRA	FRRUB	Roubaril	FRA	FRSM6	Sainte-Marine
FRA	FRRUE	Rueil-Malmaison	FRA	FRSML	Saint-Malo
FRA	FRRUN	Rungis	FRA	FRSN4	Sene
FRA	FRRV4	Rostiviec	FRA	FRSNP	Saint-Nazaire, Pyrénées-Orientales
FRA	FRRVM	Regneville-sur-Mer			
FRA	FRRYN	Royan	FRA	FRSNR	Saint-Nazaire, Loire-Atlantique
FRA	FRRYR	Carry-le-Rouet	FRA	FRSO6	Sauzon
FRA	FRRZN	Arzon	FRA	FRSOI	Soissons
FRA	FRS22	Sausset-les-Pins	FRA	FRSOT	Sotteville-lès-Rouen
FRA	FRS29	Saint-Pabu	FRA	FRSOZ	Solenzara
FRA	FRS2C	Saint-Cyprien, Pyrénées-Orientales	FRA	FRSPH	Saint-Estèphe, Médoc
			FRA	FRSQ2	Saint-Quay-Portrieux
FRA	FRS2R	Saint-Martin-de-Ré	FRA	FRSQF	Saint-Quentin-Fallavier
FRA	FRSAB	Sablon/Metz	FRA	FRSRA	Saint-Rambert-d'Albon
FRA	FRSAE	Saint-André-de-l'Eure	FRA	FRSRL	Saint-Raphaël
FRA	FRSAL	Salaise-sur-Sanne	FRA	FRSRR	Sancerre
FRA	FRSAR	Sarreguemines	FRA	FRSTA	Saint-Avold
FRA	FRSAU	Saumur	FRA	FRSTC	Saint-Claude
FRA	FRSAV	Saverne	FRA	FRSTJ	Saint-Jory
FRA	FRSBI	Saint-Aubin-sur-Mer	FRA	FRSTL	Saint-Louis
FRA	FRSBK	Saint-Brieuc	FRA	FRSTO	Saint-Omer
FRA	FRSC9	StCiers-sur-Gironde	FRA	FRSTP	Saint-Tropez

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRSTQ	Saint-Quentin	FRA	FRTST	Taussat
FRA	FRSTR	Saint-Amour	FRA	FRTT2	Trehiguier-en-Penestin
FRA	FRSU6	Saint-Seurin-d'Uzet	FRA	FRTT3	Trélévern
FRA	FRSUR	Survilliers	FRA	FRTTU	Tudy
FRA	FRSV3	Saint-Valery-en-Caux	FRA	FRTUF	Tours
FRA	FRSV5	Saint-Vivien-de-Médoc	FRA	FRTVG	Trévignon
FRA	FRSVS	Saint-Valéry-sur-Somme	FRA	FRTVL	Thionville
FRA	FRSWD	Saint-Wandrille-Rançon	FRA	FRTWA	Arès
FRA	FRSXB	Strasbourg	FRA	FRTZM	Tremazan
FRA	FRSXD	Sophia-Antipolis	FRA	FRUAT	UtahBeach
FRA	FRSZB	Saint-André-de-Cubzac	FRA	FRUCK	Uckange
FRA	FRSZI	Saint-Nazaire-sur-Charente	FRA	FRUCM	L'Eguille
FRA	FRTAB	Tarbes	FRA	FRUIP	Quimper
FRA	FRTAR	Tarnos	FRA	FRURO	Rouen
FRA	FRTBD	Trebeurden	FRA	FRURU	Collioure
FRA	FRTBE	La Turballe	FRA	FRUTE	Leucate
FRA	FRTDB	La Teste-de-Buch	FRA	FRUVR	Louvres
FRA	FRTDF	LeTinduff	FRA	FRUYR	Banyuls-sur-Mer
FRA	FRTER	Tergnier	FRA	FRV35	Cancale
FRA	FRTEZ	Terenez	FRA	FRVAF	Valence
FRA	FRTG4	Talmont-sur-Gironde	FRA	FRVAL	Valenciennes
FRA	FRTGF	Tignes	FRA	FRVAR	Varangéville
FRA	FRTGT	Trégastel	FRA	FRVAZ	Val-d'Isère
FRA	FRTHA	Thann	FRA	FRVEL	Vesoul
FRA	FRTHO	Thonon-les-Bains	FRA	FRVER	Versailles
FRA	FRTHS	Thouars	FRA	FRVES	Vénissieux
FRA	FRTII	Talais	FRA	FRVET	Vernouillet
FRA	FRTIN	Pantin	FRA	FRVFM	Villefranche-sur-Mer
FRA	FRTJE	Trouville-sur-Mer	FRA	FRVH2	St-Vaast-la-Hougue
FRA	FRTLN	Toulon	FRA	FRVHY	Vichy
FRA	FRTLS	Toulouse	FRA	FRVI2	La Vigne
FRA	FRTMU	Trentemoult	FRA	FRVIL	Villepinte
FRA	FRTN2	La Trinite	FRA	FRVIO	Viotte/Besancon
FRA	FRTNF	Toussus-le-Noble	FRA	FRVIT	Vitrolles
FRA	FRTOG	Tourcoing	FRA	FRVIZ	Vizille
FRA	FRTON	Tonnay-Charente	FRA	FRVLL	Villefranche-de-Rouergue
FRA	FRTOO	ToulBroch	FRA	FRVM3	Veulettes-sur-Mer
FRA	FRTOR	Torcy	FRA	FRVM6	LeVivier-sur-Mer
FRA	FRTOU	Toul	FRA	FRVNE	Vannes
FRA	FRTRA	Trappes	FRA	FRVNO	LeLavandou
FRA	FRTRB	La Tremblade	FRA	FRVP8	Valras-Plage
FRA	FRTRE	Tréguier	FRA	FRVR4	Veules-les-Roses
FRA	FRTRJ	Saint-Trojan	FRA	FRVR5	Villerville
FRA	FRTRK	Tréboul	FRA	FRVRD	Verdun
FRA	FRTRY	Thoiry	FRA	FRVRU	Ver-sur-Mer

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
FRA	FRVS9	Vierville-sur-Mer	GRC	GRAHS	Ankhíalos
FRA	FRVSG	Villeneuve-Saint-Georges	GRC	GRAID	Aidipsos
FRA	FRVSS	Villefranche-sur-Saône	GRC	GRAIG	Aigio
FRA	FRVTL	Vittel	GRC	GRAIM	Agios Ioannis, Piliou
FRA	FRVTY	Vitry-sur-Seine	GRC	GRAIN	Aigina
FRA	FRVZ2	Vitrezay	GRC	GRAKI	AgiosKírykos
FRA	FRWGE	Gruissan	GRC	GRAKO	Agios Konstantinos Fthiotidas
FRA	FRWOI	Woippy	GRC	GRALE	Alexandroupoli
FRA	FRWWS	Soussans	GRC	GRALI	Aliveri
FRA	FRXBD	Bandol	GRC	GRALM	Alimos
FRA	FRXFK	Port-aux-Français	GRC	GRALO	Alónnisos
FRA	FRXGV	Saint-Gilles-Croix-de-Vie	GRC	GRALP	Alypa, Palaiokastritsas
FRA	FRXLT	Ax-les-Thermes	GRC	GRALY	AlykesAchaias
FRA	FRXSR	Saintes-Maries-de-la-Mer	GRC	GRAMD	AmmoudiaPrevezas
FRA	FRXXX	RIS Inlandwaterways	GRC	GRAMF	Amfilochia
FRA	FRYNE	La Seyne-sur-Mer	GRC	GRAMI	Amolianí
FRA	FRYNR	Sanary-sur-Mer	GRC	GRAML	AgiaMarina, Leros
FRA	FRYPJ	Yeuport / Joinville	GRC	GRAMM	AmmoulianiChalkidikis
FRA	FRYSZ	Sarzeau	GRC	GRAMO	Amorgós
FRA	FRYU3	LeYaudet	GRC	GRAMR	AgiaMarina (Leros)
FRA	FRYYO	Yport	GRC	GRANA	AgiosNikolaos (Anafi)
FRA	FRZAO	Cahors	GRC	GRAND	Andros
FRA	FRZEG	Auray	GRC	GRANG	Anargyroi
FRA	FRZEU	Lampaul-Plouarzel	GRC	GRANI	AgiosNikólaos, Kríti
FRA	FRZFB	Saint-Florent	GRC	GRANK	AgiosNikolaos, Lasithi
FRA	FRZJZ	Saint-Jean-de-Luz	GRC	GRANL	AgiosNikolaos (Lasithiou)
FRA	FRZMX	Sainte-Maxime	GRC	GRANM	AgiosNikolaos (Messinias)
GRC	GR999	Greece - Unknown	GRC	GRANP	Antiparos
GRC	GRAAN	Agia Anna Naxou	GRC	GRANT	Andírrion
GRC	GRACH	Acheloouekvoles	GRC	GRANV	AgiosNikolaos, Volimon
GRC	GRACL	Achladi	GRC	GRAOK	Kárpathos
GRC	GRADA	Adamantas	GRC	GRAPA	Almyropotamos (Panagia) Evvoias
GRC	GRAEF	AgiaEfimia			
GRC	GRAEN	Aígion	GRC	GRAPE	AgíaPelagía
GRC	GRAGD	AgnontasSkopelou	GRC	GRARD	Artemida
GRC	GRAGE	AgiosEfstratios	GRC	GRARG	Argostoli
GRC	GRAGG	AgistriAiginas	GRC	GRARK	Arkítsa
GRC	GRAGI	Agiokampos	GRC	GRARL	Atherinolakkos
GRC	GRAGK	AgiosKirykosIkarias	GRC	GRARM	Argostólion
GRC	GRAGL	AigialiAmorgou	GRC	GRART	ArtakiEvvoias
GRC	GRAGM	AgiaMarinaFthiotidas	GRC	GRASA	Agios Stefanos (Avlioton)
GRC	GRAGN	AgiaGaliniRethymnou	GRC	GRASF	Agios Stefanos Corfu
GRC	GRAGO	ÁgiosEfstrátios	GRC	GRAST	Astakós
GRC	GRAGQ	Agrinion	GRC	GRATA	Atalándi
GRC	GRAGT	AgioTheodoroi	GRC	GRATH	AthiniosThiras

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
GRC	GRATK	Antikyra	GRC	GRGIE	Aegio
GRC	GRATL	Astypalaia	GRC	GRGIR	PeramaGeras
GRC	GRATS	Altsi	GRC	GRGLI	AgiosGeorgiosLichadas
GRC	GRAVD	Avdira	GRC	GRGLK	Gialiskari
GRC	GRAXL	AchilleioMagnisias	GRC	GRGLO	Glossa
GRC	GRBAT	BatsiAndrou	GRC	GRGLW	GlossaSkopelou
GRC	GRBLX	VlychadaThiras	GRC	GRGLY	GlyfaFthiotidas
GRC	GRBMT	VathyMethanonTroizinias	GRC	GRGMA	AgiaMarinaGrammatikouAttikis
GRC	GRBSL	VasilikiLefkadas			
GRC	GRCFU	Kérkira (Corfu)	GRC	GRGPA	Patras
GRC	GRCHQ	Chania	GRC	GRGRA	Agios Ioannis Rentis
GRC	GRCLK	Chalkida	GRC	GRGRI	Gritsa
GRC	GRCSF	KhóraSfakíon	GRC	GRGVA	Grevená
GRC	GRDAF	Dáfni	GRC	GRGYT	Gythion
GRC	GRDIA	Diafánion	GRC	GRHAL	Chalkida
GRC	GRDIO	Dioni	GRC	GRHAN	Chania
GRC	GRDON	Donousa, Kykladon	GRC	GRHER	ChersonisosIrakleiou
GRC	GRDOS	Delos	GRC	GRHIO	Chios
GRC	GRDPA	Drapetzona	GRC	GRHLI	IliaEvvoias
GRC	GREDI	Edipsos	GRC	GRHLS	Chalastra
GRC	GREEU	Eleusina	GRC	GRHRK	HerakleiaKykladon
GRC	GREGI	Eginion	GRC	GRHWR	ChoraSfakion
GRC	GRELE	Elefsina	GRC	GRHYD	Hydra (Idhra)
GRC	GRELF	Eleftheron	GRC	GRIER	Ierápetra
GRC	GRELH	EliosSkopelou	GRC	GRIGO	Igoumenítsa
GRC	GRELT	Eleftheres	GRC	GRIME	Imeros
GRC	GREPI	Epidavros	GRC	GRIML	Imerolia (Kassiopis)
GRC	GRERA	Eratini	GRC	GRINO	Inousses
GRC	GRERE	Erétria	GRC	GRIOA	Ioánnina
GRC	GRERK	EreikoussesDiapontioiIslands	GRC	GRIOS	Ios
GRC	GRERM	Ermióni	GRC	GRIRA	Irakleio
GRC	GREYD	Eydilos	GRC	GRIRK	Iráklia
GRC	GRFAN	Fanari	GRC	GRIRP	Ierapetra
GRC	GRFIS	Fiskárdo	GRC	GRITA	Itea
GRC	GRFOL	Folégandros	GRC	GRITH	Ithaki (Ithaca)
GRC	GRFOU	Foúrnoi	GRC	GRITM	Isthmia
GRC	GRFOY	FournoiIkarias	GRC	GRIXT	Keratsini
GRC	GRFRY	Fry	GRC	GRJIK	Ikaría
GRC	GRGAD	GavdosChanea	GRC	GRJKH	Chíos
GRC	GRGAI	Kalamaria	GRC	GRJMK	Mykonos
GRC	GRGAL	Galaxidi	GRC	GRJNX	Náxos
GRC	GRGAV	Gávrion	GRC	GRJSH	Siteía
GRC	GRGAY	GavrioAndrou	GRC	GRJSI	Skíathos
GRC	GRGEW	Georgioupoli	GRC	GRJSY	Syra (Syros)
GRC	GRGIA	GialtraEvvoias	GRC	GRJTR	Thíra

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
GRC	GRJTY	Astypálaia	GRC	GRKPT	Karpathos
GRC	GRKAG	KarkinagriIkarias	GRC	GRKRD	Kardamyla
GRC	GRKAI	KalamosIsland (Lefkada)	GRC	GRKRL	Karlovasi
GRC	GRKAK	Katakolon	GRC	GRKRM	Kardamaina (Kos)
GRC	GRKAL	Kalymnos	GRC	GRKRN	Koroni
GRC	GRKAM	KamariotissaSamothrakis	GRC	GRKRS	Korrisia
GRC	GRKAP	Kapsálion	GRC	GRKRT	Korinthos
GRC	GRKAR	NéonKarlovásion	GRC	GRKRY	KryoneriAitoloakarnanias
GRC	GRKAS	Kastellorizou (exMegísti)	GRC	GRKSI	KastosIsland
GRC	GRKAV	Kavala	GRC	GRKSJ	Kassos
GRC	GRKDM	Kardámyla	GRC	GRKSO	Kastoriá
GRC	GRKEA	Kéa (Tzia)	GRC	GRKST	Karystos
GRC	GRKEF	KefalosKo	GRC	GRKTE	KateleiosKefallinias
GRC	GRKEI	Kateríni	GRC	GRKTL	Katakolo
GRC	GRKEM	Keramoti	GRC	GRKVA	Kavála
GRC	GRKER	Keramoti	GRC	GRKWS	Kos
GRC	GRKGS	Kos	GRC	GRKYL	Kyllíni
GRC	GRKIA	Kiato	GRC	GRKYM	Kymi
GRC	GRKIL	Killíni	GRC	GRKYP	Kyparissia
GRC	GRKIM	Kymi (Kimi)	GRC	GRKYT	Kythnos
GRC	GRKIN	KoilasErmionidos	GRC	GRKZI	Kozáni
GRC	GRKIO	Kiato	GRC	GRKZS	Kastelorizo
GRC	GRKIS	Kissamos	GRC	GRLAG	LichadaEvvoias
GRC	GRKIT	Kitros (Pidna) Pierias	GRC	GRLAK	LakkaPaxon
GRC	GRKKM	Lákkoma	GRC	GRLAV	Laurium (Lavrion)
GRC	GRKKV	Kakavia	GRC	GRLAY	Layrio
GRC	GRKLA	Kallithéa/Athínai	GRC	GRLDR	LindosRodou
GRC	GRKLD	KalantosNaxou	GRC	GRLEV	Lefkáda (Lefkás)
GRC	GRKLI	Klima	GRC	GRLEW	Leonidio
GRC	GRKLL	Kalilimenes	GRC	GRLEY	Lefkada
GRC	GRKLM	Kalamaria	GRC	GRLFK	Lefkímmi
GRC	GRKLR	KalirachiThasou	GRC	GRLGK	Lagkadás
GRC	GRKLT	Kalamata	GRC	GRLIA	Linaria
GRC	GRKLX	Kalamáta	GRC	GRLII	Limni
GRC	GRKLZ	KalloniTroizinias	GRC	GRLIM	Limenaria
GRC	GRKMI	Kálymnos	GRC	GRLIN	LinoperamataHrakliou
GRC	GRKMS	Kímolos	GRC	GRLIP	Lipsoí
GRC	GRKOF	KorfosSofikou	GRC	GRLIV	LivadiSerifou
GRC	GRKOI	Koilada	GRC	GRLIX	Lixuri
GRC	GRKOK	KokkinosPyrgos	GRC	GRLKM	Lefkimmi
GRC	GRKOL	KolympariChanion	GRC	GRLMN	LimniEvvoias
GRC	GRKOR	Korinthos	GRC	GRLND	Leonídion
GRC	GRKOU	Kouremenos	GRC	GRLOU	LoutraKythnou
GRC	GRKOY	Koufonisia	GRC	GRLRA	Lárisa
GRC	GRKPL	Katapola	GRC	GRLRS	Leros

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
GRC	GRLRY	Larymna	GRC	GRNAI	Iráklion
GRC	GRLTH	LythiChiou	GRC	GRNAL	NéaAlikarnassós
GRC	GRLVR	Aliverio	GRC	GRNAO	NaousaParou
GRC	GRLXS	Lemnos	GRC	GRNAX	Naxos
GRC	GRLYG	Lygia, Preveza	GRC	GRNAY	Nafpaktos
GRC	GRLYP	Lygia, Lefkada	GRC	GRNEA	Neapolis
GRC	GRMAI	Maistros	GRC	GRNEO	NeosMarmaras
GRC	GRMAK	Makri	GRC	GRNFK	NeaFokaia
GRC	GRMAL	MavraLithariaKorinthias	GRC	GRNID	Nidhríon
GRC	GRMAR	MaroneiaRodopis	GRC	GRNIS	Nisiros
GRC	GRMAS	MastichariKos	GRC	GRNKL	NeaKallikrateia
GRC	GRMAT	MathrakiKerkyras	GRC	GRNMA	NéaMoudhaniá
GRC	GRMAY	MavrolimniKorinthias	GRC	GRNMD	NeaMoudania
GRC	GRMDI	Mantoudi	GRC	GRNMR	NeaMakri
GRC	GRMDR	Moudros	GRC	GRNMX	NeaMichaniona
GRC	GRMEG	MegálonLivádion	GRC	GRNPD	NeaPotidaia
GRC	GRMEL	Mesolóngion	GRC	GRNRD	NeaRoda
GRC	GRMEN	Menidi	GRC	GRNSK	NeaSkioni
GRC	GRMER	Merihas	GRC	GRNST	NéaStíra
GRC	GRMES	Mesolongi	GRC	GROIK	OiaKyklades
GRC	GRMET	MethoniMessinias	GRC	GROLB	OlympiadaChalkidikis
GRC	GRMGN	Meganísi	GRC	GRORE	Orei
GRC	GRMGR	Mégara	GRC	GRORM	OrmosPanagiasChalkidikis
GRC	GRMHI	MestaHiou	GRC	GRORO	Oropos
GRC	GRMIS	Missimi	GRC	GROTH	Othonoí
GRC	GRMJT	Mytilene	GRC	GROUR	Ouranópolis
GRC	GRMLO	Milos	GRC	GROYR	OuranoupoliChalkidikis
GRC	GRMON	Monemvasía	GRC	GRPAA	Psará
GRC	GRMOU	Moutsoúna	GRC	GRPAH	PahiMegaron
GRC	GRMRI	MarmariEvvoias	GRC	GRPAL	PalaiochoraChanion
GRC	GRMRM	Marmari	GRC	GRPAM	Paramythía
GRC	GRMRN	Marmárion	GRC	GRPAO	Paloúkia
GRC	GRMSA	Malessina	GRC	GRPAR	Párga
GRC	GRMST	Mesta	GRC	GRPAS	Páros
GRC	GRMTE	MethoniPierias	GRC	GRPAT	Patmos
GRC	GRMTH	MethanaTroizinias	GRC	GRPAX	Paxi
GRC	GRMTK	Mytikas	GRC	GRPEL	AgiaPelagiaKefalonias
GRC	GRMTR	MathrakiDiapontioiIsland	GRC	GRPEP	PalaiáEpídavros
GRC	GRMTS	MoutsounaNaxou	GRC	GRPER	PerigialiLefkadas
GRC	GRMYK	Mykonos	GRC	GRPET	Pétra
GRC	GRMYL	Mylaki	GRC	GRPEY	Peyki
GRC	GRMYR	Mírina	GRC	GRPFK	PalaiaFokaia
GRC	GRMYT	Mytilini	GRC	GRPGK	ParaliaAgiou Georgiou V.D.
GRC	GRMZP	MarinaZeasPirea	GRC	GRPGS	PlatysGialosSifnou
GRC	GRNAF	Náfplion	GRC	GRPHE	PortoHeli

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
GRC	GRPHG	PigadiPteleouMagnisias	GRC	GRPYL	Pýlos
GRC	GRPHL	Portocheli	GRC	GRPYP	PyrgosPeramatosLesvou
GRC	GRPIP	PeramaPirea	GRC	GRPYR	Pyrgos
GRC	GRPIR	Piraeus	GRC	GRPYT	Pythagóreion
GRC	GRPIS	PisoLivadiParou	GRC	GRQKG	Chalkis
GRC	GRPIT	Pitra	GRC	GRRAF	Rafina
GRC	GRPKE	PorosKefallinias	GRC	GRRAH	Rahes
GRC	GRPKF	PortoKoyfo	GRC	GRRET	Réthymnon
GRC	GRPKH	Portochélion	GRC	GRRHO	Rhodes
GRC	GRPKO	Petriti, Korission	GRC	GRRIO	Rio
GRC	GRPLA	Paloukilleias	GRC	GRROD	Rodos
GRC	GRPLE	PartheniLerou	GRC	GRSAL	Salamís
GRC	GRPLG	PortoLagos	GRC	GRSAM	Samos
GRC	GRPLH	PiliEvvoias	GRC	GRSAR	Sarti
GRC	GRPLI	PlimmyriRodou	GRC	GRSAT	Atalanti
GRC	GRPLK	Plaka	GRC	GRSER	Sériphos
GRC	GRPLM	Plomárion	GRC	GRSFI	SfinariChanion
GRC	GRPLN	PlataniasMagnisias	GRC	GRSHA	StavrosHalkidikis
GRC	GRPLR	Palairos	GRC	GRSHO	Schoinoussa
GRC	GRPLT	PlatariaThesprotias	GRC	GRSIF	KamaresSifnou
GRC	GRPLV	Petra	GRC	GRSIG	SigriLesvou
GRC	GRPLW	Plomari	GRC	GRSII	Sikinos
GRC	GRPLX	PlatanosChanion	GRC	GRSIK	Sikinos
GRC	GRPMS	Pátmos	GRC	GRSIT	Siteia
GRC	GRPNT	PountaParou	GRC	GRSKG	Thessaloníki
GRC	GRPOR	Poros	GRC	GRSKI	Skiathos
GRC	GRPPI	ParaliaKaterinis	GRC	GRSKK	SkalaKameiroy
GRC	GRPPT	ParaliaPetrion	GRC	GRSKO	Skopelos
GRC	GRPRA	Patra	GRC	GRSKR	Skyros
GRC	GRPRE	Preveza	GRC	GRSKU	Skíros
GRC	GRPRF	PortoRafti	GRC	GRSLN	SkalaKallonis
GRC	GRPRG	Parga	GRC	GRSMI	Samos
GRC	GRPRR	Perea	GRC	GRSOS	Assos
GRC	GRPSA	PsathopyrgosAchaias	GRC	GRSOY	Souda
GRC	GRPSE	PhserimosDodekanisou	GRC	GRSPE	Spetses
GRC	GRPSF	PaleohoraSfakion	GRC	GRSPL	SkalaPolyhnitoy
GRC	GRPSR	Psaropouli (ParaliaVasilikon)	GRC	GRSSN	SkalaSykamineas
GRC	GRPSX	PsaraChiou	GRC	GRSTA	StavrosThessalonikis
GRC	GRPTF	Pendálofos	GRC	GRSTI	Stratoni
GRC	GRPTG	PlatygialiAstakou	GRC	GRSTO	Stomio
GRC	GRPTI	Plataria	GRC	GRSTY	Stylinda
GRC	GRPTK	Politiká	GRC	GRSUD	SudaBay
GRC	GRPTL	Lágos (Pórto-Lágo)	GRC	GRSVI	SarantisVoiotias
GRC	GRPTR	ParaliaAstrous	GRC	GRSYB	SyvotaLefkadas
GRC	GRPVK	Preveza/Lefkas	GRC	GRSYM	Symi

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
GRC	GRSYR	Ermpypoli	HRV	HRDAL	Dalmacia
GRC	GRSYS	Stylída (Stylis)	HRV	HRDBV	Dubrovnik
GRC	GRTDR	AgioiTheodoroiKorinthou	HRV	HRDBV	Dubrovnik
GRC	GRTEM	Artemis	HRV	HRDNC	DonjeCelo
GRC	GRTHA	Thasos	HRV	HRDRK	Drvenik
GRC	GRTHL	TheologosFthiotidas	HRV	HRDUR	DugiRat
GRC	GRTHY	Thymena	HRV	HRFIL	Filipjakov
GRC	GRTIL	Tilos	HRV	HRFNA	Fazana
GRC	GRTIN	Tínos	HRV	HRGNA	Gazenica
GRC	GRTOL	ToloArgolidas	HRV	HRILO	Ilok
GRC	GRTRK	AgiaKyriakiTrikeron	HRV	HRIST	Ist
GRC	GRTRP	TrypitiChalkidikis	HRV	HRJAB	Jablanac
GRC	GRTRS	Thirasía	HRV	HRJDR	Jadrija
GRC	GRTSO	Thasos	HRV	HRJSA	Jelsa
GRC	GRVAR	Varkiza	HRV	HRKAB	Karlobag
GRC	GRVAT	Vathí	HRV	HRKAL	Kali
GRC	GRVLT	ValtiAstakou	HRV	HRKAS	KastelSucurac
GRC	GRVLY	VlychosLefkadas	HRV	HRKGA	KastelGomilica
GRC	GRVML	VathyMeganisiou	HRV	HRKLK	Klek
GRC	GRVOL	Vólos	HRV	HRKMN	Klimno
GRC	GRVON	Vonitsa	HRV	HRKMZ	Komiza
GRC	GRVTH	PortVathý (Vathý)	HRV	HRKNA	Klana
GRC	GRWRE	Oreoi	HRV	HRKOR	Korcula
GRC	GRWRW	Oropos	HRV	HRKOS	Kostrena
GRC	GRXYL	Xylókastron	HRV	HRKPR	Kaprije
GRC	GRYER	Gerakini	HRV	HRKRA	Kraljevica
GRC	GRZAK	Zakynthos	HRV	HRKRK	Krk
GRC	GRZTH	Zákynthos	HRV	HRKRM	Koromacno
HRV	HR999	Croatia - Unknown	HRV	HRKUK	Kukljica
HRV	HRATL	Antenal	HRV	HRKZA	Kneza
HRV	HRBAK	Bakar	HRV	HRLAM	Lamjane
HRV	HRBAS	Baska	HRV	HRLKR	Lokrum
HRV	HRBAT	Batina	HRV	HRLPD	Lopud
HRV	HRBBJ	Bibinje	HRV	HRLPR	Lopar
HRV	HRBLC	Belisce	HRV	HRLST	Lastovo
HRV	HRBLE	Blace	HRV	HRLSZ	MaliLosinj
HRV	HRBNM	BiogradnaMoru	HRV	HRLSZ	MaliLosinj
HRV	HRBOL	Bol	HRV	HRLUK	Luka
HRV	HRBRB	Brbinj/Lucina	HRV	HRMAK	Makarska
HRV	HRBRI	Brioni	HRV	HRMAL	Malinska
HRV	HRBVO	BaskaVoda	HRV	HRMAS	Maslenica
HRV	HRBZA	Bozava	HRV	HRMET	Metkovic
HRV	HRCRA	Crikvenica	HRV	HRMIL	Milna
HRV	HRCRS	Cres	HRV	HRMIZ	MaliIz
HRV	HRCVT	Cavtat	HRV	HRMNK	Misnjak

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
HRV	HRMOD	MoscenickaDraga	HRV	HRSBR	Sobra
HRV	HRMRG	Merag	HRV	HRSDR	Sudurad
HRV	HRMRJ	MunanaZirju	HRV	HRSEN	Senj
HRV	HRMTA	Martinscica	HRV	HRSGD	StariGrad
HRV	HRMUR	Murter	HRV	HRSGR	Starigrad
HRV	HRNRZ	Nerezine	HRV	HRSIB	Sibenik
HRV	HRNVD	NoviVinodolski	HRV	HRSIL	Silba
HRV	HRNVG	Novigrad	HRV	HRSIS	Sisak
HRV	HRNVL	Novalja	HRV	HRSLA	Slano
HRV	HROBR	Obrovac	HRV	HRSLC	Selce
HRV	HROMI	Omisalj	HRV	HRSLN	Solin
HRV	HROMS	Omis	HRV	HRSLO	Silo
HRV	HRONJ	Obonjan	HRV	HRSLT	Slatine
HRV	HROPA	Opatija	HRV	HRSMN	Sumartin
HRV	HRORB	Orebic	HRV	HRSPL	Splitska
HRV	HROSI	Osijek	HRV	HRSPU	Split
HRV	HRPAG	Pag	HRV	HRSRD	Skradin
HRV	HRPAS	Pasman	HRV	HRSSK	Susak
HRV	HRPCA	Pucisca	HRV	HRSTM	Stomorska
HRV	HRPLA	Polace	HRV	HRSTO	Ston
HRV	HRPLE	Ploce	HRV	HRSTP	Sustjepan
HRV	HRPLM	Plomin	HRV	HRSUC	Sucuraj
HRV	HRPMN	Pomena	HRV	HRSUP	Supetar
HRV	HRPNT	Punat	HRV	HRSUR	Sucurac
HRV	HRPOR	Porec	HRV	HRSUS	Susak
HRV	HRPOS	Postire	HRV	HRSUT	Sutivan
HRV	HRPRE	Preko	HRV	HRSVJ	SvetiJuraj
HRV	HRPRI	Primosten	HRV	HRSVK	SvetiKajo
HRV	HRPRN	Prizna	HRV	HRTKN	Tkon
HRV	HRPRP	Prapratno	HRV	HRTNO	Tisno
HRV	HRPRS	PrvicSepurine	HRV	HRTNR	Tunarica
HRV	HRPRV	Prvic	HRV	HRTRI	Tribunj
HRV	HRPRV	Prvic	HRV	HRTRJ	Trpanj
HRV	HRPRZ	Porozina	HRV	HRTRK	Trstenik
HRV	HRPUY	Pula	HRV	HRTRO	Trogir
HRV	HRRAB	Rab	HRV	HRTUR	Turanj
HRV	HRRAS	Rasa	HRV	HRUBL	Ubli
HRV	HRRBC	Rabac	HRV	HRUGL	Ugljan
HRV	HRRGC	Rogac	HRV	HRUMG	Umag
HRV	HRRGN	Rogoznica	HRV	HRUNJ	Unije
HRV	HRRJK	Rijeka	HRV	HRUVM	UvalaMir
HRV	HRROG	Rogotin	HRV	HRVDC	Vodice
HRV	HRROV	Rovinj	HRV	HRVGN	Viganj
HRV	HRSAL	Sali	HRV	HRVIR	Vir
HRV	HRSBC	Stobrec	HRV	HRVIS	Vis

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
HRV	HRVIZ	VeliIz	ITA	ITBGH	Bordighera
HRV	HRVLB	Valbiska	ITA	ITBLA	BELLARIA
HRV	HRVLK	VelaLuka	ITA	ITBLN	Bagnoli
HRV	HRVLN	VeliLosinj	ITA	ITBLQ	Bologna
HRV	HRVRA	Vranjic	ITA	ITBLT	BARLETTA
HRV	HRVRG	Vrgada	ITA	ITBLX	Belluno
HRV	HRVRK	Vrbnik	ITA	ITBMT	BELVEDERE MARITTIMO
HRV	HRVRR	Vrsar	ITA	ITBNC	BIANCO
HRV	HRVRS	Vrboska	ITA	ITBOA	BOSA
HRV	HRXXX	RIS Inlandwaterways	ITA	ITBRI	BARI
HRV	HRZAD	Zadar	ITA	ITBVM	BOVA MARINA
HRV	HRZAG	Zagreb	ITA	ITBZO	Bolzano
HRV	HRZGL	Zigljen	ITA	ITCAG	CAGLIARI
HRV	HRZLR	Zlarin	ITA	ITCAS	CASTELLAMMARE DI STABIA
HRV	HRZUT	ZutMarina	ITA	ITCCL	CATTOLICA
ITA	IT999	Italy - Unknown	ITA	ITCCQ	CETRARO
ITA	ITACL	ACI CASTELLO	ITA	ITCDF	Cortinad'Ampezzo
ITA	ITACT	ACI TREZZA	ITA	ITCEC	CECINA
ITA	ITADA	Andora	ITA	ITCEQ	CASTIGLIONE DELLA PESCAIA
ITA	ITAEL	CastelVolturno	ITA	ITCEV	CERVIA
ITA	ITAGP	AGROPOLI	ITA	ITCFU	Cefalù
ITA	ITAHO	ALGHERO	ITA	ITCGC	CORIGLIANO CALABRO
ITA	ITALI	Alicudi	ITA	ITCHI	CHIOGGIA
ITA	ITALL	Albenga	ITA	ITCHX	CHIAVARI
ITA	ITALS	ALASSIO	ITA	ITCIA	CiampinoApt/Roma
ITA	ITAMA	AMALFI	ITA	ITCIY	Comiso
ITA	ITAMN	Santa Maria Navarrese	ITA	ITCLF	CARLOFORTE
ITA	ITAMT	AMANTEA	ITA	ITCLQ	La CalettadiSiniscola
ITA	ITANZ	ANZIO	ITA	ITCLS	CALASETTA
ITA	ITAOA	PAOLA	ITA	ITCML	CasamicciolaTerme
ITA	ITAOI	ANCONA	ITA	ITCNT	CESENATICO
ITA	ITAOL	ACCIAROLI	ITA	ITCOQ	CAPO D'ORLANDO
ITA	ITAOR	CAORLE	ITA	ITCPA	CAPRAIA
ITA	ITAOT	Aosta	ITA	ITCPM	CUPRA MARITTIMA
ITA	ITARG	MARUGGIO	ITA	ITCRQ	CastroMarina
ITA	ITATA	ArmadiTaggia	ITA	ITCRT	CARIATI
ITA	ITATI	CASTIGLIONCELLO	ITA	ITCRV	CROTONE
ITA	ITATX	ARBATAX	ITA	ITCSJ	Castro
ITA	ITAUG	AUGUSTA	ITA	ITCTA	CATANIA
ITA	ITAVO	AVOLA	ITA	ITCTK	CASTELSARDO
ITA	ITAZA	ARENZANO	ITA	ITCTR	CASTELLAMMARE DEL GOLFO
ITA	ITBAI	BAIA	ITA	ITCVV	CIVITAVECCHIA
ITA	ITBCB	BagnaraCalabra	ITA	ITCVX	CAVO
ITA	ITBCE	BISCEGLIE	ITA	ITDCI	Decimomannu
ITA	ITBDS	BRINDISI	ITA	ITDIA	DIAMANTE

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ITA	ITEBA	Elba	ITA	ITLEA	SCALEA
ITA	ITFAL	FalconaraMarittima	ITA	ITLEC	LEUCA
ITA	ITFAO	FANO	ITA	ITLEN	LEVANTO
ITA	ITFAV	FAVIGNANA	ITA	ITLER	LERICI
ITA	ITFCO	FIUMICINO	ITA	ITLES	LESINA
ITA	ITFCV	FoceVarano	ITA	ITLEV	LEVANZO
ITA	ITFDM	FORTE DEI MARMI	ITA	ITLIC	LICATA
ITA	ITFGE	FREGENE	ITA	ITLIN	LinateApt/Milano
ITA	ITFME	Francavillaal Mare	ITA	ITLIP	LIPARI
ITA	ITFNL	FINALE LIGURE	ITA	ITLIU	LINOSA
ITA	ITFOL	FOLLONICA	ITA	ITLIV	LIVORNO
ITA	ITFOM	FORMIA	ITA	ITLLT	Savelletri
ITA	ITFPO	FilicudiPorto	ITA	ITLMP	LAMPEDUSA
ITA	ITFRD	Forio	ITA	ITLOA	LOANO
ITA	ITFRL	Forli	ITA	ITLSD	LIGNANO SABBIADORO
ITA	ITGAE	GAETA	ITA	ITMAH	MarinadiGinosa
ITA	ITGAI	GOLFO ARANCI	ITA	ITMAJ	MARANO LAGUNARE
ITA	ITGAL	GALLIPOLI	ITA	ITMAM	MARCIANA MARINA
ITA	ITGEA	GELA	ITA	ITMAZ	MAZARA DEL VALLO
ITA	ITGIA	GiardiniNaxos	ITA	ITMDA	LA MADDALENA
ITA	ITGII	Giannutri	ITA	ITMDC	MARINA DI CARRARA
ITA	ITGIT	GIOIA TAURO	ITA	ITMDW	MARGHERITA DI SAVOIA
ITA	ITGLJ	CAMOGLI	ITA	ITMEL	Melilli
ITA	ITGMA	GABICCE MARE	ITA	ITMFR	MANFREDONIA
ITA	ITGOA	GENOVA	ITA	ITMGT	Montegiordano
ITA	ITGOO	GORO	ITA	ITMIL	Milano
ITA	ITGOR	GORGONA	ITA	ITMIT	MARINA DI CAMEROTA
ITA	ITGPR	GiglioPorto	ITA	ITMLB	MarinadellaLobra
ITA	ITGRD	GRADO	ITA	ITMLS	MONTALTO DI CASTRO
ITA	ITGRS	Grosseto	ITA	ITMLU	MassaLubrense
ITA	ITGUI	GIULIANOVA	ITA	ITMLZ	MILAZZO
ITA	ITGVZ	GIOVINAZZO	ITA	ITMMN	MarinadiMonasterace
ITA	ITICA	TORVAIANICA	ITA	ITMMO	MARETTIMO
ITA	ITIDF	ISOLA DELLE FEMMINE	ITA	ITMND	Mondello, Palermo
ITA	ITIDG	Isola del Giglio	ITA	ITMNF	MONFALCONE
ITA	ITIMP	IMPERIA	ITA	ITMNP	MONOPOLI
ITA	ITIOA	CIVITANOVA MARCHE	ITA	ITMNU	MarinelladiSelinunte
ITA	ITIOI	MAIORI	ITA	ITMOL	MOLFETTA
ITA	ITISH	ISCHIA	ITA	ITMPA	MARINA DI PISA
ITA	ITISS	IsolaSanto Stefano	ITA	ITMPS	MELITO DI PORTO SALVO
ITA	ITJLO	IESOLO	ITA	ITMRA	MARSALA
ITA	ITLAD	LADISPOLI	ITA	ITMRM	CiròMarina
ITA	ITLAE	LaccoAmeno	ITA	ITMRP	MARINA DI CAMPO
ITA	ITLAW	LAVAGNA	ITA	ITMSB	MARINA DI PISCIOTTA
ITA	ITLCC	Lecce	ITA	ITMSD	MARINA DI GROSSETO

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ITA	ITMSN	MESSINA	ITA	ITPIO	PIOMBINO
ITA	ITMTH	Meta	ITA	ITPIZ	PIZZO
ITA	ITMTS	MARTINSICURO	ITA	ITPLI	PortoLignano
ITA	ITMXP	MalpensaApt/Milano	ITA	ITPLN	PALINURO
ITA	ITNAP	NAPOLI	ITA	ITPMF	Parma
ITA	ITNCT	SAN CATALDO	ITA	ITPMM	PALMI
ITA	ITNGA	SPERLONGA	ITA	ITPMO	PALERMO
ITA	ITNLI	NOLI	ITA	ITPMY	MarinadiPatti
ITA	ITNMP	Monte diProcida	ITA	ITPMZ	PortoMaurizio
ITA	ITNNE	CALA GONONE	ITA	ITPNG	PORTO NOGARO
ITA	ITNSY	Sigonella	ITA	ITPNL	PANTELLERIA
ITA	ITNTA	Sant'Antioco	ITA	ITPNZ	PONZA
ITA	ITNTE	SESTRI LEVANTE	ITA	ITPOS	POSITANO
ITA	ITNUM	NUMANA	ITA	ITPOZ	POZZUOLI
ITA	ITOAA	Bonagia	ITA	ITPPF	PortopalodiCapoPassero
ITA	ITOBT	ORBETELLO	ITA	ITPPL	Portopalo
ITA	ITODB	MOLA DI BARI	ITA	ITPPT	PORTO TOLLE
ITA	ITODG	MONDRAGONE	ITA	ITPRF	PORTO RECANATI
ITA	ITOGN	OGNINA	ITA	ITPRH	SAPRI
ITA	ITOLB	OLBIA	ITA	ITPRJ	CAPRI
ITA	ITONE	Oneglia	ITA	ITPRO	PROCIDA
ITA	ITORL	PORTICELLO	ITA	ITPRR	PIANO DI SORRENTO
ITA	ITOTN	ORTONA	ITA	ITPRW	Portovenere
ITA	ITOTO	OTRANTO	ITA	ITPSA	Pisa
ITA	ITOZI	POZZILLO	ITA	ITPSR	PESCARA
ITA	ITPAN	PANAREA	ITA	ITPSS	PORTO SANTO STEFANO
ITA	ITPAU	PALAU	ITA	ITPTC	PORTICI
ITA	ITPAZ	PORTO AZZURRO	ITA	ITPTF	PORTOFINO
ITA	ITPCE	PORTO CERVO	ITA	ITPTH	PORTO ERCOLE
ITA	ITPCH	PESCHICI	ITA	ITPTO	PORTO TORRES
ITA	ITPCN	PortoConteTorreNuova	ITA	ITPTZ	PortoCesareo
ITA	ITPCR	Policoro	ITA	ITPVE	Portoscuso
ITA	ITPDI	Portod'Ischia	ITA	ITPVT	PORTO LEVANTE
ITA	ITPED	PEDASO	ITA	ITPZL	POZZALLO
ITA	ITPEG	Perugia	ITA	ITQCJ	Capojale
ITA	ITPEL	PELLARO	ITA	ITQCS	Cosenza
ITA	ITPEM	PORTO EMPEDOCLE	ITA	ITQCZ	Catanzaro
ITA	ITPES	PESARO	ITA	ITQMM	MARINA DI MASSA
ITA	ITPFE	PORTOFERRAIO	ITA	ITQOS	ORISTANO
ITA	ITPFO	PonteFornaci	ITA	ITRAN	RAVENNA
ITA	ITPFX	PortoFoxi (Sarroch)	ITA	ITRCE	RICCIONE
ITA	ITPGA	PORTO GARIBALDI	ITA	ITRDA	ROSETO DEGLI ABRUZZI
ITA	ITPGL	Portigliola	ITA	ITREC	RECCO
ITA	ITPIA	Pianosa	ITA	ITREG	REGGIO CALABRIA
ITA	ITPIM	PRAIA A MARE	ITA	ITRGG	RODI GARGANICO

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ITA	ITRMA	RIO MARINA	ITA	ITSVN	SAVONA
ITA	ITRMG	RIO MAGGIORE	ITA	ITTAA	CETARA
ITA	ITRMI	RIMINI	ITA	ITTAL	TALAMONE
ITA	ITRNS	SPOTORNO	ITA	ITTAR	TARANTO
ITA	ITROC	ROCCELLA IONICA	ITA	ITTCC	TREBISACCE
ITA	ITROM	ROMA	ITA	ITTCS	TORRE CESAREA
ITA	ITRPO	RAPALLO	ITA	ITTDG	TORRE DEL GRECO
ITA	ITRPT	RIPOSTO	ITA	ITTEA	MARATEA
ITA	ITRRO	SORRENTO	ITA	ITTEF	SANTO STEFANO DI CAMASTRA
ITA	ITRRV	Sferracavallo	ITA	ITTGR	Torregrande
ITA	ITRSM	MONTEROSSO AL MARE	ITA	ITTGV	TORRE GAVETA
ITA	ITRTS	RIVA TRIGOSO	ITA	ITTMI	TERMOLI
ITA	ITRTT	MAROTTA	ITA	ITTMT	Tremiti
ITA	ITSAG	SANT'AGATA DI MILITELLO	ITA	ITTNI	TRANI
ITA	ITSAL	SALERNO	ITA	ITTOA	TORRE ANNUNZIATA
ITA	ITSAT	Sant' Antioco	ITA	ITTPS	TRAPANI
ITA	ITSCK	SCIACCA	ITA	ITTRC	TERRACINA
ITA	ITSCO	SCOGLITTI	ITA	ITTRH	TorreFaro
ITA	ITSCW	Schiavonea	ITA	ITTRI	TERMINI IMERESE
ITA	ITSDB	SAN BENEDETTO DEL TRONTO	ITA	ITTRN	Torino
ITA	ITSEG	SENIGALLIA	ITA	ITTRP	TROPEA
ITA	ITSFE	SAN FELICE CIRCEO	ITA	ITTRS	TRIESTE
ITA	ITSFM	SantaFocadiMelendugno	ITA	ITTRU	TorreSanGiovannid'Ugento
ITA	ITSIA	SINISCOLA	ITA	ITTSE	TRICASE
ITA	ITSID	SIDERNO MARINA	ITA	ITTTB	Tortolì
ITA	ITSIG	PORTO SAN GIORGIO	ITA	ITTTL	TORTORETO
ITA	ITSIR	SIRACUSA	ITA	ITTTN	Stintino
ITA	ITSLA	SantaMarinaSalina	ITA	ITTVC	Torviscosa
ITA	ITSLC	Saline, ReggioCalabria	ITA	ITUDN	Udine
ITA	ITSLL	SCILLA	ITA	ITUGG	MUGGIA
ITA	ITSLV	SilviMarina	ITA	ITURC	ScauriAlto
ITA	ITSMA	SANTA MARINELLA	ITA	ITURI	Scauri
ITA	ITSMJ	Santa Maria La Scala	ITA	ITUST	USTICA
ITA	ITSMK	SANTA MARIA DI CASTELLABATE	ITA	ITVCE	VENEZIA
			ITA	ITVDA	VADA
ITA	ITSML	SANTA MARGHERITA LIGURE	ITA	ITVEN	VENTIMIGLIA
ITA	ITSNR	TERRASINI	ITA	ITVIA	VIAREGGIO
ITA	ITSOO	SOVERATO	ITA	ITVIE	VIESTE
ITA	ITSPE	LA SPEZIA	ITA	ITVLN	VOLANO
ITA	ITSRE	SAN REMO	ITA	ITVRN	Verona
ITA	ITSRH	SCARIO	ITA	ITVRZ	VARAZZE
ITA	ITSSF	Santo Stefano al Mare	ITA	ITVSG	VillaSanGiovanni, Calabria
ITA	ITSTE	SANTA TERESA DI GALLURA	ITA	ITVSO	VASTO
ITA	ITSTR	STROMBOLI	ITA	ITVTI	VOLTRI
ITA	ITSVC	SAN VITO LO CAPO	ITA	ITVTT	VENTOTENE

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ITA	ITVUL	Vulcanoporto	ROU	ROCND	Constanta
ITA	ITVVA	VIBO VALENTIA	ROU	ROCOB	Corabia
ITA	ITVZN	VERNAZZA	ROU	ROCRA	Craiova
ITA	ITXXX	RIS Inlandwaterways	ROU	ROCSB	Caransebes
ITA	ITZBF	SIBARI	ROU	ROCUT	Curtici
ITA	ITZDD	BALESTRATE	ROU	RODOR	Dornesti
MLT	MT999	Malta - Unknown	ROU	RODTS	Drobeta-TurnuSeverin
MLT	MTCKW	Cirkewwa	ROU	RODVA	Deva
MLT	MTDIS	MaltaFreeportTerminals	ROU	ROEPB	EpiscopiaBihorului
MLT	MTGZM	Gozo	ROU	ROFAC	Falciu
MLT	MTJCO	Comino	ROU	ROFOS	Focsani
MLT	MTMAR	Marsaxlokk	ROU	ROGAL	Galati
MLT	MTMFN	Marsalforn	ROU	ROGAT	GalatiTransbordare
MLT	MTMGZ	Mgarr, Gozo	ROU	ROGRG	Giurgiu
MLT	MTMLA	Valletta	ROU	ROGRN	Giurgiu Nord
MLT	MTMRF	Marfa	ROU	ROHAL	Halmeu
MLT	MTMSC	Marsascala	ROU	ROIAS	Iasi
MLT	MTMSD	Msida	ROU	ROJIL	Jimbolia
MLT	MTMSX	Marsamxett	ROU	ROMAG	Mangalia
MLT	MTSPB	Saint Paul's Bay (San Pawl il Bahar)	ROU	ROMED	Medgidia
			ROU	ROMID	Midia
MLT	MTSTG	SanGiljan	ROU	ROMOV	MoldovaVeche
ROU	RO999	Romania - Unknown	ROU	RONAD	Naidas
ROU	ROARW	Arad	ROU	RONEV	NegruVoda
ROU	ROBAB	Basarabi	ROU	RONIB	NicolaeBalcescu
ROU	ROBAY	Baia Mare	ROU	RONIN	Nicolina
ROU	ROBBU	Bucuresti-BaneasaApt	ROU	ROOLT	Oltenita
ROU	ROBCM	Bacau	ROU	ROOMR	Oradea
ROU	ROBIT	Bistrita	ROU	ROORV	Orsova
ROU	ROBOR	Bors	ROU	ROOTP	OtopeniApt/Bucuresti
ROU	ROBOS	Botosani	ROU	ROPFD	Portile de FierDoi
ROU	ROBPU	BaneasaApt/Bucuresti	ROU	ROPFU	Portile de FierUnu
ROU	ROBRA	Braila	ROU	ROPIN	PiatraNeamt
ROU	ROBRV	Brasov	ROU	ROPIT	Pitesti
ROU	ROBUB	BucurestiBasarab	ROU	ROPLT	Ploiesti
ROU	ROBUH	Bucuresti	ROU	RORAU	Radauti
ROU	ROBUI	BucurestiIntrepozite	ROU	ROREN	Resita Nord
ROU	ROBUN	Bucuresti Nord	ROU	RORES	ResitaSud
ROU	ROBUV	Bucuresti 50 Vama	ROU	RORIV	RâmnicuVâlcea
ROU	ROBUZ	Buzau	ROU	ROSAT	Salonta
ROU	ROCAF	Calafat	ROU	ROSBZ	Sibiu
ROU	ROCAR	Carei	ROU	ROSCV	Suceava
ROU	ROCAS	Calarasi	ROU	ROSIM	SighetuMarmatiei
ROU	ROCEV	Cernavoda	ROU	ROSIT	Simeria
ROU	ROCLJ	Cluj-Napoca	ROU	ROSOL	Socola

Harbours			Harbours		
ISO3	Code	Name	ISO3	Code	Name
ROU	ROSOM	Someseni	ROU	ROXXX	RIS Inlandwaterways
ROU	ROSTM	StamoraGermana	ROU	ROZIC	Zimnicea
ROU	ROSUJ	Satu Mare	SVN	SI999	Slovenia - Unknown
ROU	ROSUL	Sulina (Port et Zone Franche)	SVN	SIBPK	BrdopriKranju
ROU	ROSUN	Suceava Nord	SVN	SIDOB	Dobova
ROU	ROTCE	Tulcea	SVN	SIGRK	Gruskovje
ROU	ROTGM	Târgu-Mures	SVN	SIIZO	Izola
ROU	ROTSN	Timisoara Nord	SVN	SIJLN	Jelsane
ROU	ROTSR	Timisoara	SVN	SIKOP	Koper
ROU	ROTUM	TurnuMagurele	SVN	SILJU	Ljubljana
ROU	ROVAM	ValeaLuimihai	SVN	SIMBX	Maribor
ROU	ROVAS	Varsand	SVN	SIOBR	Obrezje
ROU	ROVAV	VamaVeche	SVN	SIPIR	Piran
ROU	ROVIS	Vicsani	SVN	SIPOW	Portoroz

| Harbours | | Harbours | |

Validation scheme

version 1.2

@totalColumns 40

@permitEmpty

@ignoreColumnNameCase

sampling_type: any("M","S","V","D")

flag_country: any("BGR","GRC","ESP","FRA","HRV","ITA","CYP","MLT","ROU","SVN")

year: positiveInteger range(2002,2024)

trip_code: length(*,64)

harbour:
switch(($flag_country/is("BGR"),any("BGADB","BGAHE","BGAKH","BGALB","BGAMO","BGANT","BGARK","BGASP","BGBAL","BGBLV","BGBOL","BGBHZ","BGBNA","BGBN2","BGBN3","BGBOJ","BGBYL","BGCHA","BGCHN","BGCHM","BGCHO","BGDAL","BGEZE","BGEZR","BGFRE","BGIRA","BGKAM","BGKRT","BGKVN","BGKBA","BGKB3","BGKZO","BGKIT","BGKOK","BGKON","BGKRA","BGKRP","BGKRE","BGLES","BGLZC","BGMCH","BGMEC","BGNES","BGOBZ","BGOTM","BGPAN","BGPOM","BGPOR","BGPRI","BGRAV","BGREZ","BGRDA","BGRD2","BGRUS","BGSAR","BGSBA","BGSEK","BGSHA","BGSHK","BGSIN","BGSLK","BGSOZ","BGSTR","BGSVV","BGTRK","BGTRV","BGTUZ","BGTYL","BGVAR","BGVAZ","BGVRV","BGVES","BGYVA","BGZEL","BGZVE") or
is("NK")),($flag_country/is("GRC"),any("GRACH","GRAXL","GRADA","GRAGA","GRAAN","GRAGN","GRAKY","GRTRK","GRAMR","GRAML","GRPEL","GRAPE","GRTDR","GRAGI","GRAGE","GRGLI","GRDOM","GRAIM","GRAGK","GRAKO","GRANA","GRANL","GRANM","GRANK","GRANV","GRASA","GRAGD","GRAID","GRAGL","GRAIN","GRAIG","GRALE","GRALM","GRALI","GRAPA","GRALO","GRALY","GRALK","GRALP","GRAMF","GRAFI","GRAMD","GRAMM","GRABE","GRAND","GRANG","GRANP","GRMLO","GRARG","GRARI","GRARK","GRART","GRARD","GRASG","GRASP","GRASS","GRAST","GRATL","GRSAT","GRATR","GRARL","GRMGN","GRATH","GRAVD","GRBAT","GRMPA","GRBLE","GRBOU","GRHLS","GRCHQ","GRHAL","GRHAN","GRHER","GRHIO","GRHWR","GRHRO","GRDAF","GRDIA","GRDIO","GRDON","GRELE","GRELF","GRELH","GRELO","GREPA","GREPI","GRERA","GRERK","GRERE","GRERM","GRSYR","GREYD","GRFAN","GRFIS","GRFLI","GRFOL","GRFOY","GRFRY","GRGAL","GRGAV","GRGAY","GRGEW","GRYER","GRGLK","GRGIA","GRGRK","GRGLW","GRGLY","GRGLF","GRGRI","GRGYT","GRIRP","GRIER","GRIGO","GRHLI","GRIML","GRIME","GRIOS","GRIRA","GRIRK","GRIRI","GRITM","GRITA","GRITH","GRGAI","GRKLM","GRKLT","GRKLX","GRKLD","GRKLR","GRKLZ","GRKLL","GRKAL","GRSIF","GRKAM","GRKAP","GRKAR","GRKRV","GRKRM","GRKRD","GRKRL","GRKPT","GRKST","GRKTL","GRKPL","GRKTE","GRKAV","GRKEA","GRKEF","GRKEM","GRKER","GRIXT","GRKIA","GRKIP","GRKIS","GRKIT","GRKOI","GRKOK","GRKOL","GRKOF","GRKOR","GRKRT","GRKRN","GRKRS","GRKWS","GRKOY","GRKNP","GRKOU","GRKRY","GRKYL","GRKYM","GRKIM","GRKYP","GRLAK","GRLKK","GRLRY","GRLAY","GRLEY","GRLKM","GRLIP","GRLEW","GRLAG","GRLIM","GRLMN","GRVLC","GRLDR","GRLIN","GRLIV","GRLIX","GRLOU","GRLYP","GRLYG","GRLTH","GRMAI","GRMAK","GRMDI","GRMRA","GRMZP","GRMRI","GRMAR","GRMAS","GRMAT","GRMAL","GRMAY","GRMEG","GRMEN","GRMER","GRMES","GRMST","GRMTH","GRMET","GRMTE","GRMHL","GRMYR","GRMHT","GRMON","GRMDR","GRMTS","GRMYK","GRMTK","GRMYT","GRNAY","GRNEL","GRNAF","GRNAO","GRNAX","GRNFK","GRNKL","GRNMR","GRNMX","GRNMK","GRNMD","GRNPE","GRNPD","GRNRD","GRNSK","GRNST","GRNEA","GRNEO","GRNIK","GRNIS","GRNID","GRINO","GROLB","GRW

RE","GRORM","GRWRW","GROTH","GROYR","GRPAH","GRPFK","GRPAL","GRPLR","GRPLA","G
RPNG","GRPAN","GRPRL","GRPGK","GRPTR","GRPPI","GRPPT","GRPRG","GRPAR","GRPLE","GR
PAT","GRPRA","GRPIR","GRGIR","GRPIP","GRPER","GRPET","GRPKO","GRPEY","GRPHG","GRPL
H","GRPIS","GRPLK","GRRPL","GRPLN","GRPLX","GRPTI","GRPLT","GRPTG","GRPGS","GRPLI","
GRPLW","GRPLM","GRPOR","GRPKE","GRPLF","GRPGE","GRPKF","GRPLG","GRPRF","GRPHL","
GRPNT","GRPRE","GRPSX","GRPSR","GRPSA","GRPYL","GRPYP","GRPYT","GRRAF","GRRAH","G
RRET","GRRIO","GRROD","GRSAG","GRSAL","GRSKE","GRSMI","GRSAM","GRSVI","GRSAR","GR
SHO","GRSFI","GRSIG","GRSIK","GRSIT","GRSIV","GRSLN","GRSKK","GRSKP","GRSPL","GRRAX",
"GRSSN","GRSKI","GRSKO","GRSKR","GRSOY","GRSPE","GRSTA","GRSTO","GRSTI","GRSTY","GR
SYM","GRSYB","GRTAV","GRTHA","GRTHL","GRSKG","GRJTR","GRTHY","GRTIL","GRTIN","GRT
OL","GRTRP","GRVLT","GRVAR","GRBSL","GRVAT","GRVML","GRBMT","GRVIV","GRBLX","GRV
LY","GRVOL","GRVON","GRVOU","GRXIR","GRXYL","GRHYD","GRZAK") or
is("NK")),($flag_country/is("ESP"),any("ESALK","ESALD","ESADR","ESAGU","ESALT","ESALC","E
SLEI","ESEEJ","ESAQA","ESLAA","ESAND","ESARN","ESARW","ESBAD","ESBCN","ESBNI","ESBE
M","ESBRM","ESBIO","ESBLA","ESBRX","ESBCD","ESCAP","ESCBM","ESOOP","ESCAB","ESCFE",
"ESCEM","ESLEL","ESCLP","ESCBL","ESECP","ESCRS","ESCAR","ESCDK","ESCAY","ESCAS","ESCS
U","ESCLY","ESCIV","ESQIU","ESCOD","ESCSB","ESOLL","ESERA","ESDEL","ESDNA","ESDVA","E
SMSN","ESEPL","ESEPC","ESEEM","ESESC","ESETT","ESEPN","ESFNI","ESFRN","ESFGL","ESEWE
","ESGAN","ESGAR","ESGDS","ESGTI","ESIBZ","ESIAM","ESJAV","ESKLL","ESUNR","ESCRQ","ES
GLE","ESLDO","ESLS3","ESLEQ","ESLNS","ESLLC","ESLLO","ESMAH","ESAGP","ESMQE","ESMTO
","ESMZO","ESMTG","ESMRA","ESMTU","ESMOT","ESDAC","ESNEM","ESOLV","ESOND","ESOR
I","ESOPM","ESPAL","ESPMI","ESPAS","ESPNL","ESQAA","ESZJM","ESZOD","ESPSA","ESPBO","E
SQAJ","ESPRD","ESPCR","ESPOR","ESVZZ","ESPSL","ESRTA","ESRBS","ESRQM","ESROS","ESSAG
","ESSAA","ESSCR","ESSFU","ESSPP","ESSAP","ESZME","ESEAS","ESSVB","ESSPO","ESSDR","ESS
NY","ESSNN","ESSNR","ESETY","ESSIT","ESSUN","ESTAR","ESTRR","ESTOR","ESTOT","ESTKG","
ESVLC","ESVMG","ESVLG","ESVJY","ESVCR","ESVZR","ESZAU") or
is("NK")),($flag_country/is("FRA"),any("FRAOO","FRAGD","FRAJA","FRANT","FRALM","FRXBD",
"FRUYR","FRBIA","FRBAY","FRETB","FRBIQ","FRBDD","FRBON","FRXBM","FRGUZ","FRCLY","FR
CM5","FRPYO","FRCEQ","FRCBT","FRCG3","FRCQI","FRCR2","FRRYR","FRAIS","FRCN5","FRCBP
","FRURU","FRCN6","FREBQ","FREGL","FREDH","FREVT","FRFRO","FRGIN","FRG2T","FRGJE","F
RWGE","FRGB2","FRHEN","FRHYR","FRLCT","FRLMK","FRYNE","FRBCJ","FRBL5","FRLGR","FRV
NO","FRLEP","FRUTE","FRILR","FRMCI","FRMGN","FRMWR","FRMRS","FRMTU","FRMGU","FR
ETN","FREZE","FRMMZ","FRNCE","FRPAF","FREMR","FRPDB","FRNOU","FRPO4","FRPVO","FRP
SL","FRPOV","FRPRP","FRAMA","FRS2C","FRXSR","FRZFB","FRZJZ","FRSL5","FRLU2","FRSNP","F
RSRL","FRSTP","FRSH8","FRYNR","FRS22","FRSET","FRSOZ","FRTLN","FRVP8","FRZCO","FRVFM
") or
is("NK")),($flag_country/is("HRV"),any("NK","HRATL","HRBAK","HRBLD","HRBNJ","HRBNE","HR
BAR","HRBAD","HRBAS","HRBVO","HRBAT","HRBLC","HRBET","HRBBJ","HRBNM","HRBLE","HR
BOL","HRBZA","HRBRB","HRBGL","HRBRI","HRBRN","HRBRD","HRCVT","HRCKT","HRCRS","HRC
RA","HR999","HRDAL","HRDKL","HRDNC","HRDRC","HRDRS","HRDRK","HRDRV","HRDBV","HR
DUR","HRFNA","HRFUN","HRGLA","HRGRD","HRGRU","HRHOD","HRHVA","HRICC","HRIKK","H
RILO","HRILV","HRIST","HRIZM","HRJAB","HRJAD","HRJDR","HRJAK","HRJSA","HRJZR","HRKAL"
,"HRKPR","HRKDR","HRKAB","HRKGA","HRKKM","HRKAN","HRKST","HRKAS","HRKNA","HRKLK"
,"HRKLN","HRKMN","HRKZA","HRKMZ","HRKOR","HRKRM","HRKOS","HRKRJ","HRKRA","HRKP
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","HRLPD","HRLOV","HRLVN","HRLUK","HRLKN","HRLKV","HRLUM","HRMAK","HRMIZ","HRLSZ
","HRMAL","HRMAN","HRMTA","HRMAS","HRMSL","HRMDN","HRMED","HRMRG","HRMTN","
HRMET","HRMLT","HRMIL","HRMIM","HRMNK","HRMLN","HRMOL","HRMNT","HRMOD","HR
MRT","HRMUE","HRMRJ","HRMUR","HRNRZ","HRNJV","HRNVL","HRNVD","HRNDD","HRNVG"

,"HRONJ","HROBR","HROLB","HROMS","HROMI","HROPA","HRORS","HRORB","HROSI","HROSR","HRPAG","HRPKS","HRPAS","HRPEL","HRPRJ","HRPRC","HRPLE","HRPLM","HRPDG","HRPLA","HRPMN","HRPOR","HRPRZ","HRPOS","HRPVL","HRPVN","HRPRP","HRPRE","HRPRM","HRPRG","HRPRI","HRPVK","HRPRN","HRPRB","HRPMJ","HRPRV","HRPRS","HRPCA","HRPUY","HRPNT","HRRAB","HRRBC","HRRAC","HRRAS","HRRSL","HRRZC","HRRZN","HRRKO","HRRJK","HRRGC","HRROG","HRRGN","HRROV","HRSAL","HRSNM","HRSAP","HRSVD","HRSTD","HRSLC","HRSEN","HRSIB","HRSIL","HRSLO","HRSIM","HRLSP","HRSIS","HRSRD","HRSLA","HRSLT","HRSBR","HRSLN","HRSPU","HRSPL","HRSRB","HRSBA","HRSNV","HRSGD","HRSGR","HRSTN","HRSBC","HRSTM","HRSTO","HRSUR","HRSUC","HRSDR","HRSUK","HRSMN","HRSUP","HRSSK","HRSUS","HRSTP","HRSUT","HRFIL","HRSFS","HRSMT","HRSMA","HRSVJ","HRSVK","HRTNO","HRTKN","HRTOV","HRTRG","HRTRI","HRTRO","HRTRJ","HRTRK","HRTCP","HRTNR","HRTUR","HRUBL","HRUGL","HRUMG","HRUNJ","HRUVM","HRVLB","HRVUN","HRVLM","HRVLK","HRVST","HRVIZ","HRVLN","HRVRT","HRVGN","HRVNS","HRVIR","HRVRH","HRVIS","HRVLA","HRVDC","HRVOZ","HRVRA","HRVRK","HRVRS","HRVRG","HRVRR","HRZBL","HRZAD","HRGNA","HRZGV","HRZAG","HRZKP","HRZAM","HRZTD","HRZTS","HRZVL","HRZVT","HRZGL","HRZLR","HRZMN","HRZUL","HRZUT") or
is("NK")),($flag_country/is("ITA"),any("ITAOL","ITACL","ITACT","ITAGP","ITALS","ITAHO","ITAMA","ITAMT","ITAOI","ITANZ","ITATX","ITWAR","ITAZA","ITAUG","ITAVO","ITBCB","ITBAI","ITZDD","ITBRI","ITBLT","ITBLA","ITBMT","ITBNC","ITBCE","ITBO2","ITBO3","ITBGH","ITBOA","ITBVM","ITBR7","ITBDS","ITBR8","ITCAG","ITNNE","ITCLS","ITGLJ","ITNIG","ITAOR","ITC7P","ITCOQ","ITQCJ","ITCPA","ITPRJ","ITCRT","ITCLF","ITCML","ITAEL","ITCTR","ITCAS","ITCTK","ITATI","ITCEQ","ITCSJ","ITCRQ","ITCTA","ITCCL","ITCVX","ITCEC","ITCFU","ITCEV","ITCNT","ITTAA","ITCCQ","ITCHX","ITCHI","ITMRM","ITIOA","ITCVV","ITC7G","ITCGC","ITCRV","ITCPM","ITDEM","ITDIA","ITDMR","ITFAL","ITFAO","ITFAV","ITFPO","ITFNL","ITFCO","ITF2M","ITFCV","ITFOL","ITFRD","ITFOM","ITFDM","ITFMA","ITFME","ITFGE","ITFUI","ITGMA","ITGAE","ITGAL","ITGEA","ITGOA","ITGIA","ITGIT","ITGVZ","ITGUI","ITGAI","ITGOR","ITGOO","ITGRD","ITGTM","ITJLO","ITIMP","ITISH","ITIDG","ITIDF","ITWIR","ITCLQ","ITMDA","ITSPE","ITLAD","ITLA5","ITLMP","ITLAW","ITLCL","ITLGZ","ITLER","ITLES","ITLTJ","ITLEC","ITLEN","ITLEV","ITLIC","ITLSD","ITLIU","ITLIP","ITLIV","ITLOA","ITIOI","ITMFR","ITMAJ","ITTEA","ITMAM","ITMMO","ITMDW","ITMIT","ITMRP","ITMDC","ITMSD","ITQMM","ITPMY","ITMPA","ITMSB","ITM2R","ITMSV","ITRTT","ITMRA","ITMTS","ITARG","ITMLU","ITMAZ","ITMPS","ITMSN","ITMTH","ITMLZ","ITODB","ITMOL","ITMND","ITODG","ITM2G","ITMNF","ITMNP","ITMLS","ITNMP","ITRSM","ITUGG","ITNAP","ITNRV","ITNMR","ITNLI","ITNUM","ITOGN","ITOLB","ITOBT","ITQOS","ITOTN","ITOTO","ITPAU","ITPMO","ITPLN","ITPMM","ITPAN","ITPNL","ITAOA","ITPED","ITPEL","ITP3A","ITPES","ITPSR","ITPCH","ITPRR","ITP2L","ITPIO","ITPIZ","ITPNZ","ITORL","ITPTC","ITPAZ","ITPCE","ITPTZ","ITPCN","ITPEM","ITPTH","ITPGA","ITPVT","ITPNG","ITPRF","ITSIG","ITPSS","ITPPT","ITPTO","ITPFE","ITPTF","ITPPF","ITPVE","ITPRW","ITPOS","ITPZL","ITOZI","ITPOZ","ITGPO","ITPIM","ITPRO","ITRPO","ITRAN","ITREC","ITREG","ITRCE","ITRMI","ITRMG","ITRMA","ITRPT","ITRTS","ITROC","ITRGG","ITROM","ITRDA","ITS2R","ITSAL","ITSDB","ITNCT","ITSFE","ITS2L","ITSRE","ITSV3","ITSVC","ITSML","ITSMK","ITSMJ","ITSLA","ITSMA","ITST3","ITSTE","ITSAG","ITNTA","ITSS7","ITTEF","ITPRH","ITLLT","ITSVN","ITLEA","ITS4D","ITSRH","ITSCW","ITSCK","ITSLL","ITSCO","ITSEG","ITNTE","ITRRV","ITZBF","ITSID","ITSLV","ITSIA","ITSIR","ITITI","ITS8R","ITRRO","ITSOO","ITWSP","ITNGA","ITRNS","ITWSZ","ITSTR","ITTAL","ITTAR","ITTRI","ITTMI","ITTRC","ITSNR","ITTA6","ITTOA","ITTCS","ITTDG","ITTGV","ITT3R","ITTRU","ITTTL","ITICA","ITTB2","ITTNI","ITTPS","ITTCC","ITTMT","ITTSE","ITTRS","ITTRP","ITUST","ITVDA","ITVRZ","ITVSO","ITVCE","ITVEN","ITVTT","ITVZN","ITVIA","ITVVA","ITVEQ","ITVIE","ITIES","ITVSG","ITVSU","ITVLN","ITVTI") or
is("NK")),($flag_country/is("CYP"),any("CYAFS","CYAYI","CYTRI","CYGEO","CYDFS","CYLFS","CYLAR","CYLAT","CYLIM","CYLOP","CYORM","CYPFO","CYPAR","CYPOM","CYPOT","CYPYR","CYXYL","CYZYG") or

is("NK")),($flag_country/is("MLT"),any("MTCKW","MTDIS","MTMRF","MTMFN","MTMSX","MTMSC","MTMAR","MTMGZ","MTMSD","MTSPB","MTSTG","MTMLA") or is("NK")),($flag_country/is("ROU"),any("ROCND","ROTCE") or is("NK")),($flag_country/is("SVN"),any("SIIZO","SIKOP","SIPIR") or is("NK")))

n_sets_hauls: switch(($sampling_type/is("S"),regex("^(?:[1-9]\d{0,2}|1000)?$")),regex("^(?:[1-9]\d{0,2}|1000)?$") or empty) // 1-1000 or empty

days_at_sea: switch(($sampling_type/is("S"),regex("^(?:[1-9]\d{0,2}|1000)?$")),regex("^(?:[1-9]\d{0,2}|1000)?$") or empty) // 1-1000 or empty

sampling_method: any("Observer","SelfSampling")

aggregation_level: any("H","T")

station_code: switch(($aggregation_level/is("T"),is("999")),length(*,32))

duration_fishing_operation: switch(($sampling_type/is("S"),regex("^(?:[1-9]|[1-9]\d{1,3}|[1-3]\d{4}|4[0-2]\d{3}|43200)$")),regex("^(?:[1-9]\d{0,4}|[1-3]\d{4}|4[0-2]\d{3}|43200)?$")) // 1-43200 or empty

initial_latitude: switch(($sampling_type/is("S"),regex("^([3][4-9](\.\d{1,5})?|4[0-4](\.\d{1,5})?|45(\.[0-6]\d{1,4})?|45\.7(\d{1,4})?)$")),regex("^([3][4-9](\.\d{1,5})?|4[0-4](\.\d{1,5})?|45(\.[0-6]\d{1,4})?|45\.7(\d{1,4})?)$") or empty) //regex("^([3][4-9](\.\d{1,4})?|4[0-4](\.\d{1,4})?|45(\.[0-6]\d{1,3})?|45\.7(\d{1,3})?)$") or empty

initial_longitude: switch(($sampling_type/is("S"),regex("^(-?(?:[0-4](?:\.\d{1,5})?|5(?:\.[0-4]\d{1,4})?|35(?:\.0{1,5})?|[-5](?:\.\d{1,5})?|[-5]\.5))|(-?[0-9]|[1-2][0-9]|3[0-4])(?:\.\d{1,5})?$")),regex("^(-?(?:[0-4](?:\.\d{1,5})?|5(?:\.[0-4]\d{1,4})?|35(?:\.0{1,5})?|[-5](?:\.\d{1,5})?|[-5]\.5))|(-?[0-9]|[1-2][0-9]|3[0-4])(?:\.\d{1,5})?$") or empty) //regex("^-?((([0-4](\.\d{1,4})?)|(5(\.[0-4]\d{1,3})?))|35(\.0{1,4})?)$") or empty

final_latitude: switch(($sampling_type/is("S"),regex("^([3][4-9](\.\d{1,5})?|4[0-4](\.\d{1,5})?|45(\.[0-6]\d{1,4})?|45\.7(\d{1,4})?)$") or empty),regex("^([3][4-9](\.\d{1,5})?|4[0-4](\.\d{1,5})?|45(\.[0-6]\d{1,4})?|45\.7(\d{1,4})?)$") or empty) //regex("^([3][4-9](\.\d{1,4})?|4[0-4](\.\d{1,4})?|45(\.[0-6]\d{1,3})?|45\.7(\d{1,3})?)$") or empty

final_longitude: switch(($sampling_type/is("S"),regex("^(-?(?:[0-4](?:\.\d{1,5})?|5(?:\.[0-4]\d{1,4})?|35(?:\.0{1,5})?|[-5](?:\.\d{1,5})?|[-5]\.5))|(-?[0-9]|[1-2][0-9]|3[0-4])(?:\.\d{1,5})?$") or empty),regex("^(-?(?:[0-4](?:\.\d{1,5})?|5(?:\.[0-4]\d{1,4})?|35(?:\.0{1,5})?|[-5](?:\.\d{1,5})?|[-5]\.5))|(-?[0-9]|[1-2][0-9]|3[0-4])(?:\.\d{1,5})?$") or empty) // regex("^(-?([0-4](\.\d{1,4})?|5(\.[0-2]\d{1,3})?|35(\.0{1,4})?))$") or empty

depth_fishing_operation: switch(($sampling_type/is("S"),range(1,1000)),regex("^(?:[1-9]\d{0,2}|1000)?$")) // 1-1000 or empty

water_depth: switch(($sampling_type/is("S"),range(1,1000)),regex("^(?:[1-9]\d{0,2}|1000)?$") or empty) // 1-1000 or empty

catch_registration: any("All","Lan","Dis","Non")

species_registration: switch(($catch_registration/is("Non"),is("Non")),any("All","Par"))

date: regex("^(0[1-9]|[1-2][0-9]|3[0-1])/(0[1-9]|1[0-2])/\d{4}$")

area:
any("GSA1","GSA2","GSA3","GSA4","GSA5","GSA6","GSA7","GSA8","GSA9","GSA10","GSA11.1
","GSA11.2","GSA11","GSA12","GSA13","GSA14","GSA15","GSA16","GSA17","GSA18","GSA19"
,"GSA20","GSA21","GSA22","GSA23","GSA24","GSA25","GSA26","GSA27","GSA28","GSA29","
GSA30")

fishing_activity_category_national: length(*,14)

fishing_activity_category_eu_l6:
any("DRB_MOL_0_0_0","FPO_DEF_0_0_0","FYK_CAT_0_0_0","FYK_DEF_0_0_0","GND_DEF_
0_0_0","GND_SPF_0_0_0","GNS_DEF_360-
400_0_0","GNS_DEF_>=16_0_0","GNS_SLP_>=16_0_0","GTR_DEF_>=16_0_0","LA_SLP_14_0
_0","LHP-LHM_FIF_0_0_0","LHP-LHM_CEP_0_0_0
","LLS_DEF_0_0_0","OTB_DEF_>=40_0_0","OTB_DWS_>=40_0_0","OTB_MDD_>=40_0_0","O
TM_MPD_>=13_19_0_0 ","OTM_MPD_>=20_0_0","PS_SPF_>=14_0_0","PTM_SPF_>=20_0_0
","SB-SV_DEF_0_0_0 ","TBB_DEF_0_0_0 ","MISC")

species:
any("BHG","BTN","CQV","FQJ","GQH","KKL","KRJ","LIT","LPJ","NHF","NKL","NPQ","OVQ","PIR",
"QBJ","SGQ","UTJ","YHB","EVO","AVG","EHJ","FKG","GGW","HQB","HQS","HVL","KKK","MZH",
"NHL","OHX","OZO","PHO","QRC","UNQ","UTF","YBO","AKW","AVC","LYD","RJT","AAA","AAB",
"AAD","AAE","AAF","AAG","AAH","AAI","AAJ","AAL","AAN","AAS","AAT","AAZ","ABF","ABG","A
BJ","ABP","ABS","ABU","ABV","ABZ","ACA","ACB","ACD","ACE","ACH","ACJ","ACM","ACN","AC
R","ACT","ACU","ACX","ACY","ADL","ADN","ADT","ADZ","AEC","AEM","AEN","AES","AFC","AFK
","AFN","AGA","AGC","AGD","AGG","AGI","AGJ","AGK","AGL","AGN","AGO","AGS","AGU","AG
Y","AHC","AHH","AHK","AHN","AHP","AHQ","AHU","AHW","AIB","AIR","AJA","AJC","AJH","AJI",
"AJN","AJQ","AJR","AJS","AJU","AJW","AJZ","AKA","AKE","AKG","AKJ","AKK","AKL","AKN","AKO
","AKQ","AKS","ALA","ALB","ALC","ALD","ALE","ALF","ALI","ALM","ALN","ALP","ALS","ALT","AL
U","ALV","ALX","AMA","AMB","AMC","AMD","AME","AMG","AMI","AMK","AMM","AMP","AM
R","AMS","AMV","AMW","AMX","AMY","AMZ","ANA","ANB","ANC","AND","ANE","ANF","ANG
","ANI","ANJ","ANK","ANL","ANM","ANN","ANP","ANQ","ANR","ANS","ANT","ANU","ANV","AN
W","ANX","ANZ","AOC","AOI","AOL","AOM","AOR","APA","APB","APC","APG","APH","API","AP
M","APO","APS","APU","APV","APX","APY","AQB","AQC","AQI","AQJ","AQM","AQQ","AQR","A
QS","AQT","AQW","AQX","AQZ","ARA","ARB","ARE","ARG","ARI","ARJ","ARK","ARM","ARN","A
RQ","ARS","ARU","ARV","ARW","ARY","ASA","ASB","ASD","ASE","ASI","ASK","ASL","ASN","ASX
","ASY","ASZ","ATB","ATG","ATP","ATV","ATX","ATY","AUC","AUG","AUK","AUR","AUT","AUU",
"AUX","AVA","AVB","AVD","AVH","AVI","AVJ","AVM","AVN","AVR","AVW","AVX","AWB","AWE
","AWG","AWH","AWI","AWK","AWM","AWN","AWP","AWR","AWY","AXA","AXC","AXO","AXP
","AXR","AYF","AYG","AYM","AZD","AZG","AZI","AZQ","BAB","BAC","BAD","BAE","BAF","BAG",
"BAJ","BAL","BAM","BAN","BAO","BAP","BAQ","BAR","BAS","BAT","BAU","BAW","BAX","BAY",
"BAZ","BBD","BBE","BBF","BBG","BBL","BBM","BBP","BBS","BBY","BCF","BCL","BCV","BCW","B
CX","BDC","BDF","BDG","BDH","BDK","BDL","BDM","BDQ","BDR","BDT","BDX","BDZ","BEA","B
EB","BEC","BED","BEG","BEH","BEI","BEN","BEP","BER","BES","BET","BEV","BEW","BEZ","BFA",
"BFB","BFC","BFF","BFG","BFL","BFR","BFT","BGI","BGN","BGO","BGR","BGS","BGU","BGW","B
GZ","BHA","BHC","BHD","BHM","BHQ","BHT","BHY","BHZ","BIB","BIC","BIF","BIG","BII","BIL","
BIN","BIP","BIQ","BIR","BIS","BIV","BIX","BIY","BJB","BJO","BJR","BJS","BJV","BKJ","BKZ","BLB",
"BLC","BLE","BLF","BLG","BLH","BLI","BLJ","BLK","BLL","BLM","BLN","BLP","BLR","BLS","BLT","

BLU","BLV","BLX","BLY","BMA","BME","BMS","BMU","BNF","BNG","BNQ","BNZ","BOA","BOB", "BOC","BOE","BOF","BOG","BOJ","BOL","BOM","BON","BOP","BOQ","BOR","BOS","BOT","BOU ","BOW","BOX","BOY","BPB","BPE","BPG","BPH","BPI","BPL","BPP","BPS","BPT","BPX","BPY"," BPZ","BQB","BQD","BQF","BQH","BQM","BQN","BQO","BQP","BQR","BQS","BQX","BQY","BRA ","BRB","BRC","BRD","BRF","BRG","BRI","BRK","BRM","BRO","BRP","BRS","BRT","BRU","BRW", "BRX","BRY","BRZ","BSA","BSB","BSC","BSE","BSF","BSG","BSH","BSK","BSL","BSP","BSR","BSS" ,"BSW","BSX","BSY","BSZ","BTB","BTC","BTF","BTH","BTK","BTL","BTP","BTQ","BTS","BTX","BU C","BUD","BUM","BUP","BUR","BUS","BUT","BUV","BUW","BUX","BUZ","BVE","BVG","BVN","B VP","BVS","BVV","BWA","BWB","BWM","BWN","BWV","BXA","BXC","BXD","BXF","BXO","BXQ" ,"BXV","BYA","BYD","BYE","BYF","BYR","BYS","BZB","BZD","BZJ","BZM","BZN","BZX","CAA","CA B","CAD","CAH","CAL","CAM","CAP","CAR","CAS","CAT","CAU","CAW","CAX","CBA","CBB","CB C","CBD","CBE","CBF","CBG","CBI","CBK","CBM","CBN","CBO","CBR","CBS","CBT","CBV","CBW ","CBZ","CCA","CCB","CCC","CCE","CCF","CCG","CCI","CCJ","CCL","CCM","CCO","CCP","CCR"," CCT","CCU","CDB","CDD","CDE","CDL","CDM","CDN","CDQ","CDR","CDV","CDX","CDZ","CEA"," CEC","CEE","CEF","CEI","CEJ","CEK","CEL","CEM","CEN","CEO","CEP","CEQ","CER","CES","CET" ,"CEU","CEW","CEX","CEZ","CFA","CFB","CFF","CFG","CFI","CFJ","CFL","CFM","CFR","CFT","CF W","CFZ","CGC","CGD","CGE","CGF","CGI","CGL","CGQ","CGR","CGX","CGY","CGZ","CHC","CH E","CHI","CHJ","CHM","CHO","CHP","CHQ","CHR","CHS","CHU","CHZ","CIA","CIB","CIC","CIE"," CIG","CII","CIJ","CIK","CIL","CIN","CIO","CIR","CIS","CIT","CIU","CJB","CJC","CJE","CJH","CJL","C JM","CJN","CJX","CJZ","CKA","CKE","CKG","CKI","CKJ","CKL","CKM","CKR","CKS","CKV","CKW"," CKY","CLA","CLB","CLD","CLE","CLH","CLI","CLJ","CLK","CLL","CLM","CLP","CLQ","CLR","CLS"," CLT","CLU","CLV","CLX","CMD","CMK","CMO","CMQ","CMR","CMS","CMZ","CNE","CNI","CNN ","CNT","CNY","CNZ","COA","COB","COC","COD","COE","COG","COH","COI","COL","COM","CO N","COO","COQ","COR","COS","COT","COU","COV","COW","COX","COY","COZ","CPA","CPB"," CPC","CPE","CPG","CPI","CPK","CPL","CPO","CPP","CPR","CPS","CPT","CPU","CPW","CPX","CQ C","CQD","CQE","CQF","CQG","CQL","CQM","CQO","CQR","CQZ","CRA","CRB","CRC","CRD","C RE","CRF","CRG","CRJ","CRK","CRL","CRN","CRP","CRQ","CRR","CRS","CRU","CRV","CRW","CRY ","CRZ","CSC","CSH","CSK","CSP","CSS","CSV","CSW","CSX","CSZ","CTA","CTB","CTC","CTD","C TE","CTF","CTG","CTH","CTI","CTJ","CTK","CTL","CTN","CTQ","CTR","CTU","CTW","CTZ","CUA", "CUB","CUC","CUD","CUE","CUI","CUJ","CUK","CUL","CUN","CUP","CUS","CUT","CUV","CUW", "CUX","CVB","CVD","CVF","CVI","CVJ","CVL","CVM","CVO","CVR","CVT","CVW","CWA","CWC", "CWD","CWJ","CWO","CWZ","CXB","CXE","CXL","CXS","CXY","CYB","CYC","CYF","CYK","CYL","C YM","CYO","CYP","CYR","CYS","CYW","CZF","CZH","CZI","CZJ","CZM","CZT","CZW","DAB","DAC ","DAK","DAL","DAR","DAS","DAX","DBA","DBC","DBI","DBM","DBP","DBR","DBS","DCA","DCC ","DCE","DCL","DCO","DCP","DCT","DCX","DDS","DDZ","DEA","DEB","DEC","DED","DEE","DEG" ,"DEH","DEI","DEJ","DEL","DEM","DEN","DEP","DEQ","DER","DES","DEV","DEX","DEY","DFD"," DFX","DFZ","DGA","DGB","DGC","DGH","DGM","DGP","DGS","DGT","DGX","DGY","DGZ","DHG ","DHO","DHP","DHQ","DHY","DHZ","DIA","DIH","DIN","DIO","DIR","DIV","DIY","DJB","DJC","D JD","DJK","DJM","DJV","DKB","DKC","DKK","DKL","DKT","DKU","DKX","DLA","DLL","DLN","DLS" ,"DLT","DLU","DLY","DMB","DME","DMK","DMS","DMT","DNA","DNE","DNK","DNN","DNT","D OC","DOD","DOE","DOG","DOI","DOL","DON","DOO","DOP","DOR","DOS","DOT","DOX","DPB" ,"DPC","DPE","DPF","DPI","DPK","DPL","DPM","DPN","DPO","DPR","DPS","DPT","DPU","DPV"," DPX","DPY","DQA","DQM","DQX","DRB","DRC","DRE","DRF","DRH","DRJ","DRK","DRL","DRS"," DRT","DRU","DRX","DRZ","DSA","DSB","DSD","DSG","DSO","DSP","DSR","DSS","DSX","DSY","D TB","DTC","DTE","DTF","DTS","DUC","DUD","DUH","DUL","DUU","DVA","DVJ","DVL","DWA"," DWS","DXC","DXL","DXP","DYF","DYG","DYK","DYL","DYS","DYZ","DZE","EAA","EAC","EAG","EA M","EAO","EAR","EAT","EBE","EBN","EBP","EBS","ECA","ECE","ECH","ECN","ECS","ECT","ECZ", "EDE","EDF","EDI","EDK","EDQ","EDR","EDS","EDT","EDU","EDX","EDY","EDZ","EEA","EEB","EE D","EEF","EEG","EEI","EEN","EEO","EEP","EES","EET","EEV","EEW","EEZ","EFC","EFD","EFG","E

FJ","EFT","EFW","EFZ","EGC","EGD","EGE","EGF","EGG","EGI","EGJ","EGL","EGM","EGN","EGP
","EGS","EGY","EHB","EHG","EHI","EHN","EIA","EID","EIE","EIK","EIL","EIP","EIQ","EIS","EIT","EI
U","EIX","EIY","EJA","EJB","EJC","EJD","EJE","EJF","EJG","EJK","EJM","EJN","EJR","EJW","EKA","
EKB","EKE","EKH","EKN","EKO","EKP","EKR","EKS","EKU","EKW","EKX","ELA","ELC","ELD","ELE
","ELG","ELI","ELO","ELP","ELQ","ELS","ELV","ELX","ELY","ELZ","EMN","EMP","EMY","ENB","EN
D","ENG","ENI","ENJ","ENP","ENR","ENT","ENZ","EOA","EOD","EOG","EOI","EOJ","EOK","EOL",
"EOM","EON","EOO","EOR","EOT","EOW","EOX","EOZ","EPA","EPD","EPF","EPG","EPI","EPK","
EPL","EPR","EPY","EQA","EQE","EQI","EQJ","EQK","EQO","EQR","ERB","ERK","ERN","ERO","ER
P","ERS","ERV","ERX","ERZ","ESA","ESB","ESC","ESE","ESF","ESH","ESQ","EST","ESV","ESW","E
SY","ESZ","ETA","ETB","ETC","ETF","ETW","ETX","ETZ","EUI","EUN","EUQ","EUR","EVR","EVS",
"EVW","EVZ","EWB","EWE","EWG","EWO","EWR","EWU","EWY","EXD","EXE","EXL","EXQ","EY
B","EYE","EYH","EYO","EYP","EYQ","EYV","EYX","EYZ","EZA","EZE","EZO","EZR","EZS","EZZ","FA
A","FAC","FAK","FAL","FAM","FAN","FAR","FAS","FAU","FAV","FAW","FAX","FBA","FBX","FCI","
FCL","FCP","FCR","FCT","FCX","FDA","FDT","FDX","FEB","FEE","FEG","FEH","FEI","FEL","FES","F
FR","FFV","FFX","FIC","FIF","FIK","FIL","FIM","FIN","FIO","FIP","FIU","FIW","FIX","FJE","FJN","FJ
R","FJX","FKU","FLA","FLC","FLD","FLE","FLG","FLI","FLL","FLO","FLP","FLW","FLX","FLY","FLZ",
"FMB","FMG","FMK","FMS","FMV","FNG","FNT","FNX","FOC","FOD","FOL","FON","FOO","FOR
","FOT","FOX","FPC","FPI","FPP","FQB","FRA","FRE","FRI","FRN","FRU","FRZ","FSA","FSE","FSI
","FSU","FSY","FTS","FTX","FUM","FUN","FUT","FUU","FUV","FVX","FXB","FXF","FXG","FXX","FY
S","GAA","GAB","GAC","GAD","GAE","GAG","GAH","GAI","GAL","GAM","GAN","GAP","GAQ","
GAR","GAS","GAT","GAU","GAV","GAX","GAY","GAZ","GBA","GBC","GBE","GBF","GBJ","GBK","
GBL","GBN","GBO","GBQ","GBR","GBS","GBU","GBW","GBX","GBY","GBZ","GCA","GCC","GCH"
,"GCJ","GCL","GCO","GCR","GCS","GCV","GCW","GDB","GDE","GDF","GDG","GDI","GDJ","GDL"
,"GDN","GDP","GDR","GDT","GDV","GDW","GDY","GEB","GEC","GED","GEG","GEI","GEJ","GEL
","GEM","GEN","GEO","GEP","GEQ","GER","GES","GET","GEU","GEV","GEW","GEX","GEY","GE
Z","GFB","GFC","GFD","GFE","GFG","GFI","GFK","GFM","GFP","GFR","GFS","GFT","GFU","GFV"
,"GGB","GGC","GGD","GGF","GGG","GGO","GGR","GGU","GGV","GGY","GGZ","GHA","GHB","
GHG","GHK","GHL","GHP","GHX","GHY","GID","GIP","GIQ","GIS","GIT","GJC","GJE","GJG","GJI
","GJL","GJM","GJU","GJW","GKA","GKB","GKL","GKM","GLC","GLD","GLI","GLN","GLR","GLS","
GLT","GLU","GMA","GMD","GMK","GMR","GMU","GMW","GNB","GNC","GNG","GNS","GNZ",
"GOA","GOB","GOC","GOD","GOE","GOH","GOI","GOL","GON","GOO","GOV","GOX","GOZ","G
PA","GPB","GPC","GPD","GPE","GPG","GPI","GPK","GPN","GPP","GPR","GPS","GPU","GPV","G
PW","GPX","GQA","GQC","GQD","GQI","GQL","GQR","GQS","GRA","GRB","GRE","GRF","GRH",
"GRM","GRN","GRO","GRP","GRQ","GRV","GRX","GSA","GSH","GSM","GSU","GSX","GSY","GTA
","GTB","GTD","GTF","GTG","GTH","GTI","GTL","GTN","GTR","GTT","GTV","GTZ","GUB","GUC"
,"GUD","GUF","GUG","GUI","GUJ","GUK","GUM","GUN","GUO","GUP","GUQ","GUR","GUS","
GUT","GUU","GUW","GUX","GUY","GUZ","GVJ","GWA","GWG","GWV","GWX","GXW","GYF","
GYG","GYR","GYS","GYX","GYY","GZS","GZT","HAA","HAD","HAE","HAI","HAL","HAN","HAU","H
AX","HAY","HBB","HBF","HBK","HBL","HBM","HBR","HBZ","HCC","HCD","HCE","HCJ","HCL","H
CM","HCU","HCW","HCZ","HDA","HDH","HDR","HDU","HDV","HDW","HDY","HEA","HEE","HEK
","HEP","HER","HES","HFA","HFC","HFF","HFJ","HFK","HFL","HFT","HFX","HGD","HGF","HGM",
"HHB","HHD","HHE","HHF","HHK","HHM","HHP","HHY","HIE","HIK","HIL","HIO","HIQ","HIX","
HJA","HJD","HJO","HJS","HJX","HJZ","HKA","HKB","HKC","HKD","HKE","HKF","HKG","HKH","HKI
","HKJ","HKK","HKL","HKM","HKN","HKO","HKP","HKQ","HKR","HKS","HKT","HKU","HKV","HK
W","HKX","HKY","HKZ","HLB","HLD","HLE","HLG","HLK","HLM","HLP","HLQ","HLR","HLT","HL
W","HLZ","HMC","HMG","HMH","HMJ","HMM","HMP","HMQ","HMR","HMX","HMY","HMZ","
HNK","HNY","HOB","HOC","HOD","HOE","HOF","HOH","HOL","HOM","HOO","HOP","HOQ","H
OR","HOW","HOX","HOY","HPE","HPH","HPI","HPK","HPL","HPN","HPO","HPQ","HPR","HPX","
HPY","HQE","HQF","HQI","HQJ","HQK","HQM","HQN","HQR","HQT","HRC","HRE","HRO","HRS

","HRW","HSD","HSI","HSL","HSS","HTB","HTE","HTL","HTR","HTS","HTU","HTX","HUD","HUE","HUF","HUG","HUI","HUM","HUN","HUR","HUX","HUY","HVE","HVP","HVQ","HVS","HWA","HWB","HWH","HWT","HWY","HWZ","HXC","HXR","HXT","HXW","HYB","HYD","HYK","HYS","HYW","HZK","HZL","HZM","HZS","IAA","IAD","IAE","IAG","IAH","IAJ","IAK","IAL","IAM","IAN","IAO","IAR","IAV","IAW","IAX","IAZ","IBA","IBE","IBK","IBN","ICA","ICC","ICI","ICR","ICV","ICX","IDA","IDC","IDR","IDV","IDY","IDZ","IEO","IEP","IEW","IEX","IFJ","IFK","IFM","IFT","IGB","IGP","IGQ","IGU","IIG","III","IIN","IIR","IJI","IJO","IKE","IKR","IKT","IKW","ILB","ILI","ILJ","ILL","ILO","IMB","IME","IML","IMS","INC","IND","INN","INO","INU","INV","INW","INZ","IOB","IOD","IOE","IOF","IOI","IOK","IOL","IOQ","IOR","IOS","IOT","IOU","IOX","IOZ","IPD","IPN","IQR","IRB","IRE","IRG","IRM","IRS","ISC","ISI","ISO","ISU","ISV","ITB","ITG","ITL","ITQ","ITS","ITW","IUB","IUJ","IUM","IUO","IVD","IXO","IYO","IYT","JAA","JAD","JAH","JAI","JAJ","JAK","JAL","JAN","JAP","JAR","JAS","JAT","JAV","JAX","JAY","JAZ","JBA","JBF","JBG","JBI","JBL","JBM","JBN","JBO","JBX","JCD","JCF","JCG","JCJ","JCL","JCN","JCO","JCP","JCQ","JCR","JCS","JCT","JCU","JCV","JCX","JDA","JDB","JDC","JDD","JDG","JDO","JDP","JDS","JDV","JDX","JEC","JED","JER","JFA","JFH","JFM","JFV","JFW","JHA","JHD","JHR","JHX","JIO","JIX","JJF","JJM","JJX","JKI","JKW","JKX","JKY","JLA","JLB","JLD","JLM","JLR","JMO","JMS","JNA","JNR","JNS","JNX","JOA","JOB","JOC","JOD","JOE","JON","JOS","JOT","JOU","JOX","JPC","JPD","JPM","JPP","JPQ","JPS","JPU","JPV","JRA","JRB","JRC","JRD","JRE","JRF","JRG","JRH","JRI","JRJ","JRK","JRM","JRN","JRP","JRQ","JRR","JRS","JRT","JRU","JRV","JRY","JSC","JSP","JSS","JSU","JSX","JTX","JUC","JUL","JUM","JUN","JUR","JUU","JUX","JVC","JVX","JWY","JXA","JXX","JZS","KAA","KAW","KBK","KBR","KCA","KCB","KCD","KCF","KCI","KCK","KCP","KCR","KCT","KCV","KCW","KCX","KCY","KCZ","KDE","KDH","KDM","KDU","KDY","KEA","KED","KEF","KFA","KFK","KGB","KGC","KGX","KHA","KHE","KIA","KIC","KIK","KIL","KIO","KIP","KIT","KJC","KJO","KKJ","KKO","KKV","KKX","KLA","KLB","KLE","KLG","KLK","KLL","KLM","KLO","KLP","KLT","KMC","KMM","KMO","KMP","KMR","KMY","KNI","KNP","KNR","KNW","KOB","KOE","KOJ","KON","KOP","KOY","KPB","KPC","KPE","KPF","KPG","KPH","KPJ","KPL","KPO","KPR","KPS","KRS","KSC","KSE","KSI","KSS","KSY","KTE","KTG","KTI","KTS","KTT","KTU","KTV","KTX","KTY","KUB","KUE","KUI","KUP","KVA","KVX","KWH","KXX","KYC","KYP","KYS","KYV","KYX","KZS","KZU","KZZ","LAA","LAC","LAD","LAG","LAH","LAI","LAN","LAR","LAS","LAT","LAU","LAV","LAX","LAY","LBA","LBC","LBE","LBR","LBS","LBT","LCB","LCH","LCM","LCN","LCR","LCS","LCV","LCW","LCX","LCZ","LDA","LDB","LDC","LDE","LDI","LDK","LDL","LDM","LDP","LDQ","LDR","LDU","LDV","LDW","LDX","LDZ","LEB","LEC","LEE","LEF","LEG","LEL","LEM","LEN","LEP","LER","LES","LEY","LEZ","LFA","LFB","LFF","LFL","LFW","LFX","LFZ","LGC","LGG","LGH","LGM","LGQ","LGS","LHA","LHB","LHK","LHM","LHN","LHO","LHT","LHW","LHY","LIA","LIB","LII","LIK","LIL","LIM","LIN","LIO","LIR","LIW","LIX","LJA","LJB","LJC","LJE","LJG","LJH","LJI","LJK","LJN","LJO","LJP","LJT","LJU","LJV","LJW","LJX","LJY","LKA","LKC","LKD","LKE","LKF","LKG","LKH","LKI","LKJ","LKL","LKN","LKO","LKP","LKR","LKS","LKT","LKU","LKV","LKW","LKY","LLA","LLB","LLD","LLE","LLL","LMA","LMB","LMD","LMG","LML","LMP","LMR","LMS","LMW","LMZ","LNK","LNZ","LOA","LOB","LOG","LOJ","LOK","LOO","LOP","LOQ","LOR","LOS","LOT","LOV","LOW","LOX","LOY","LPE","LPS","LPW","LPZ","LQA","LQB","LQD","LQH","LQI","LQK","LQL","LQO","LQQ","LQS","LQT","LQV","LQW","LQY","LQZ","LRB","LRE","LRG","LRI","LRS","LRV","LRX","LRY","LRZ","LSB","LSF","LSJ","LSN","LSO","LSS","LST","LSV","LTA","LTD","LTE","LTN","LTP","LTS","LTT","LTW","LTY","LTZ","LUB","LUJ","LUK","LUM","LUN","LUX","LVA","LVB","LVC","LVD","LVG","LVK","LVM","LVY","LWA","LWD","LWE","LWH","LWK","LWO","LWX","LWZ","LXA","LXE","LXQ","LXR","LXT","LXW","LXX","LXY","LYA","LYF","LYX","LYY","LZA","LZE","LZG","LZI","LZL","LZM","LZO","LZP","LZS","LZT","LZU","LZV","LZY","LZZ","MAA","MAB","MAC","MAD","MAE","MAF","MAG","MAI","MAK","MAL","MAM","MAN","MAO","MAQ","MAR","MAS","MAT","MAV","MAW","MAX","MAY","MAZ","MBB","MBC","MBF","MBG","MBI","MBL","MBR","MBS","MBV","MBW","MBZ","MCB","MCC","MCD","MCG","MCH","MCK","MCL","MCM","MCN","MCQ","MCR","MCS","MCT","MCU","MDD","MDJ","MDK","MDO","MEC","MED","MEF","MEG","MEI","MEL","MEM","MEQ","MER","MES","ME

T","MEU","MEX","MEZ","MFA","MFD","MFF","MFJ","MFL","MFM","MFT","MFU","MFW","MGA","MGC","MGF","MGH","MGI","MGK","MGQ","MGR","MGS","MGT","MGU","MGV","MGX","MGZ","MHA","MHG","MHH","MHI","MHK","MHL","MHM","MHP","MHS","MHT","MHY","MHZ","MIA","MIF","MIG","MIH","MIK","MIL","MIN","MIO","MIP","MIR","MIS","MIT","MJA","MJC","MJF","MJG","MJK","MJR","MJS","MJU","MJX","MKA","MKC","MKF","MKG","MKH","MKJ","MKL","MKO","MKR","MKT","MKU","MKV","MKW","MKZ","MLB","MLE","MLG","MLL","MLN","MLO","MLR","MLS","MLT","MLV","MLX","MLY","MMA","MMC","MMD","MME","MMG","MMH","MML","MMM","MMN","MMO","MMP","MMR","MMS","MMT","MMU","MMY","MNB","MNG","MNH","MNI","MNK","MNO","MNR","MNS","MNT","MNU","MNY","MNZ","MOA","MOB","MOD","MOJ","MOL","MON","MOO","MOP","MOR","MOS","MOT","MOX","MOY","MOZ","MPA","MPB","MPD","MPE","MPM","MPN","MPO","MPR","MPS","MPT","MPX","MPZ","MQC","MQI","MQK","MQL","MQN","MQR","MQU","MQX","MQY","MRC","MRF","MRG","MRJ","MRK","MRL","MRM","MRR","MRS","MRT","MRV","MRW","MRX","MRY","MRZ","MSA","MSC","MSD","MSF","MSK","MSL","MSM","MSN","MSP","MSQ","MSR","MSS","MST","MSW","MSX","MTA","MTC","MTD","MTE","MTG","MTJ","MTL","MTM","MTP","MTR","MTS","MTV","MTW","MTY","MTZ","MUA","MUB","MUD","MUE","MUF","MUH","MUI","MUJ","MUK","MUL","MUM","MUN","MUO","MUP","MUR","MUS","MUT","MUU","MUV","MUW","MUX","MUZ","MVA","MVC","MVD","MVE","MVH","MVI","MVJ","MVL","MVO","MVR","MVT","MVU","MVX","MWF","MWK","MWM","MWQ","MWR","MXA","MXC","MXI","MXL","MXT","MYC","MYD","MYG","MYL","MYS","MYT","MYV","MYZ","MZA","MZB","MZC","MZG","MZL","MZR","MZS","MZT","MZY","MZZ","NAC","NAE","NAF","NAM","NAN","NAU","NAV","NAZ","NBF","NBG","NBM","NBT","NBX","NBZ","NCD","NCF","NCJ","NCP","NCZ","NDC","NDP","NDQ","NDS","NEA","NEB","NEC","NEF","NEG","NEH","NEK","NEM","NEN","NEP","NER","NES","NEX","NFM","NFO","NFP","NFT","NFX","NGJ","NGN","NGR","NGS","NGT","NGU","NHA","NHG","NHH","NHI","NHK","NHM","NHR","NHU","NHY","NIA","NIB","NID","NIN","NIS","NIT","NIZ","NKG","NKH","NLC","NLG","NLJ","NLT","NMM","NMN","NMZ","NNC","NNF","NNN","NNW","NNZ","NOC","NOD","NOE","NOG","NOL","NON","NOP","NOR","NOW","NOX","NPE","NPI","NPJ","NPN","NPR","NPS","NPV","NQA","NQL","NRA","NRD","NRF","NRP","NRY","NSC","NSE","NSG","NSI","NSK","NSP","NSQ","NSR","NTC","NTK","NUE","NUF","NUI","NUK","NUL","NUO","NUR","NUT","NUU","NUV","NUX","NVB","NWP","NXC","NXI","NXL","NXM","NXU","NXV","NYL","NYR","NYS","NZA","NZD","OAA","OAC","OAG","OAK","OAL","OAM","OAN","OAQ","OAR","OAT","OAW","OAZ","OBG","OBM","OBN","OBR","OBT","OBX","OBY","OBZ","OCB","OCC","OCD","OCF","OCH","OCJ","OCK","OCL","OCM","OCN","OCO","OCP","OCQ","OCR","OCS","OCT","OCU","OCV","OCX","OCY","OCZ","ODD","ODL","ODT","ODZ","OEB","OFC","OFE","OFI","OFJ","OFL","OFN","OFW","OFZ","OGB","OGG","OGK","OGL","OGM","OGT","OHQ","OHV","OIC","OID","OII","OIJ","OIL","OIU","OIX","OJB","OJD","OJE","OJH","OJK","OJL","OJO","OJR","OJT","OJY","OKA","OKD","OKE","OKG","OKJ","OKL","OKM","OKS","OKZ","OLA","OLB","OLC","OLG","OLI","OLL","OLM","OLO","OLP","OLR","OLT","OLV","OLY","OMF","OML","OMM","OMN","OMZ","ONA","ONJ","ONK","ONQ","ONR","ONU","ONZ","OOA","OOC","OOD","OOE","OOL","OOM","OON","OOS","OOW","OOZ","OPA","OPH","OPI","OPM","OPN","OPP","OPS","OPX","OQC","OQD","OQH","OQM","OQR","OQT","OQU","ORC","ORD","ORE","ORI","ORS","ORT","ORV","ORY","OSB","OSC","OSF","OSG","OSO","OST","OSU","OTA","OTB","OTC","OTH","OTI","OTL","OTM","OTO","OTQ","OTW","OTY","OTZ","OUA","OUB","OUC","OUD","OUE","OUI","OUJ","OUK","OUL","OUM","OUN","OUR","OUT","OUU","OUV","OUW","OUX","OUZ","OVB","OVC","OVD","OVI","OVL","OVM","OVR","OWM","OWN","OWP","OXB","OXF","OXI","OXM","OXY","OYC","OYF","OYG","OYM","OYU","OZS","OZU","OZV","OZZ","PAA","PAB","PAC","PAE","PAG","PAH","PAL","PAM","PAN","PAO","PAP","PAR","PAS","PAT","PAU","PAV","PAW","PAX","PAY","PAZ","PBA","PBC","PBE","PBR","PBS","PBX","PBZ","PCA","PCB","PCL","PCR","PCZ","PDA","PDG","PDK","PDZ","PEA","PED","PEE","PEF","PEI","PEL","PEM","PEN","PEO","PEQ","PES","PET","PEW","PEZ","PFC","PFM","PFR","PFS","PGA","PGR","PGS","PHA"

,"PHL","PIA","PIB","PIC","PIE","PIF","PII","PIK","PIL","PIM","PIN","PIQ","PIS","PIU","PIZ","PJC","PJG","PJL","PJM","PJR","PJS","PJT","PJU","PJV","PJZ","PKE","PKG","PKH","PLA","PLE","PLF","PLG","PLP","PLS","PLV","PLY","PLZ","PMA","PMC","PNB","PNH","PNI","PNQ","PNR","PNU","PNV","POA","POB","POC","POD","POE","POF","POG","POI","POJ","POK","POL","POM","PON","POO","POP","POR","POS","POU","POX","POY","PPC","PPL","PPO","PPR","PPS","PQA","PQC","PQD","PQG","PQL","PQO","PQR","PQS","PRA","PRB","PRC","PRD","PRG","PRI","PRP","PRR","PRY","PSA","PSB","PSC","PSE","PSH","PSL","PSM","PSN","PSR","PSS","PTA","PTC","PTH","PTY","PUA","PUC","PUG","PUX","PVA","PVC","PVD","PVG","PVH","PVI","PVJ","PVQ","PVS","PVV","PVZ","PWE","PWF","PWT","PXB","PXD","PXU","PXV","PYA","PZB","PZC","PZO","QAA","QAI","QAL","QBB","QBK","QBX","QBY","QCB","QCC","QCM","QDH","QDM","QEL","QEX","QFF","QFV","QHK","QHS","QHU","QKU","QKX","QLA","QLB","QLC","QLE","QLP","QLV","QLW","QMB","QMT","QMX","QND","QOI","QOJ","QOK","QOS","QOX","QPH","QPI","QPL","QPM","QPT","QPX","QRA","QRR","QSC","QSE","QSH","QSI","QSL","QSM","QSO","QSR","QSV","QSX","QTG","QTV","QUA","QUB","QUC","QUE","QUK","QUL","QUM","QUS","QUT","QUV","QUX","QVS","QZL","QZQ","QZU","QZY","RAA","RAB","RAC","RAE","RAF","RAG","RAJ","RAK","RAL","RAM","RAP","RAQ","RAS","RAT","RAX","RAY","RAZ","RBA","RBD","RBE","RBG","RBI","RBS","RBX","RBY","RBZ","RCA","RCC","RCG","RCI","RCK","RCR","RCS","RDB","RDC","RDE","RDG","RDH","REA","REB","REC","RED","REE","REG","REI","REJ","REL","REM","REN","REO","REP","RER","RES","REV","REX","REY","REZ","RFA","RFE","RFS","RGA","RGC","RGE","RGG","RGJ","RGL","RGM","RGP","RGQ","RGR","RGV","RGX","RHA","RHC","RHD","RHG","RHJ","RHL","RHN","RHP","RHX","RHZ","RIB","RIC","RIE","RIH","RIN","RIR","RIU","RJA","RJB","RJC","RJD","RJE","RJF","RJG","RJH","RJI","RJK","RJL","RJM","RJN","RJO","RJP","RJR","RJS","RJU","RJV","RJX","RJY","RJZ","RKB","RKJ","RKQ","RKU","RKZ","RLB","RLE","RLF","RLH","RLI","RLL","RLM","RLN","RLR","RLU","RLZ","RMB","RMG","RMH","RMJ","RMM","RMO","RMT","RMV","RNA","RND","RNF","RNG","RNH","RNI","RNJ","RNQ","RNS","RNU","RNY","ROA","ROB","ROC","ROJ","ROK","ROL","ROM","ROT","ROZ","RPB","RPC","RPD","RPE","RPF","RPG","RPH","RPI","RPJ","RPL","RPN","RPO","RPR","RPS","RPT","RPU","RPW","RQB","RQC","RQE","RQG","RQI","RQM","RQR","RQX","RRB","RRE","RRF","RRG","RRH","RRJ","RRL","RRR","RRS","RRU","RRW","RRY","RSA","RSB","RSC","RSD","RSE","RSH","RSI","RSJ","RSK","RSM","RSN","RSP","RSQ","RSS","RSU","RSW","RSX","RTA","RTB","RTC","RTE","RTF","RTG","RTH","RTJ","RTL","RTU","RTX","RTZ","RUA","RUB","RUC","RUD","RUL","RUM","RUR","RVB","RWA","RXP","RXS","RXY","RYB","RYC","RYF","RYG","RYH","RYL","RYM","RYO","RYS","RZT","RZU","RZX","SAA","SAB","SAC","SAD","SAE","SAG","SAI","SAL","SAM","SAN","SAO","SAP","SAQ","SAS","SAU","SAW","SAX","SAZ","SBA","SBB","SBC","SBE","SBF","SBG","SBJ","SBK","SBL","SBN","SBP","SBQ","SBR","SBS","SBU","SBW","SBX","SBY","SBZ","SCA","SCB","SCC","SCD","SCE","SCF","SCG","SCH","SCK","SCL","SCM","SCN","SCO","SCP","SCQ","SCR","SCS","SCT","SCU","SCX","SCY","SCZ","SDA","SDB","SDC","SDE","SDF","SDH","SDJ","SDL","SDM","SDN","SDP","SDQ","SDR","SDS","SDU","SDV","SDW","SDX","SDZ","SEA","SEB","SEC","SED","SEI","SEJ","SEM","SEN","SEO","SEP","SEQ","SER","SET","SEV","SEW","SEX","SEY","SFA","SFB","SFC","SFH","SFI","SFK","SFN","SFP","SFR","SFS","SFW","SGA","SGD","SGI","SGJ","SGL","SGO","SGP","SGR","SGU","SGY","SGZ","SHA","SHB","SHC","SHD","SHE","SHF","SHG","SHH","SHI","SHL","SHN","SHO","SHQ","SHR","SHS","SHU","SHW","SHX","SHY","SHZ","SIB","SIC","SIG","SIJ","SIK","SIL","SIM","SIO","SIP","SIU","SIX","SIY","SIZ","SJA","SJB","SJC","SJD","SJE","SJK","SJM","SJR","SJS","SJT","SJV","SJX","SJY","SJZ","SKA","SKB","SKC","SKD","SKE","SKF","SKH","SKJ","SKK","SKL","SKM","SKN","SKO","SKQ","SKS","SKT","SKW","SKX","SLA","SLC","SLD","SLE","SLF","SLH","SLI","SLK","SLL","SLM","SLN","SLO","SLQ","SLR","SLS","SLT","SLU","SLV","SLW","SLX","SLY","SMA","SMC","SMD","SME","SMG","SMM","SMP","SMQ","SMR","SMY","SMZ","SNA","SNB","SNC","SNE","SNG","SNI","SNK","SNL","SNN","SNO","SNP","SNQ","SNR","SNS","SNU","SNW","SNY","SOA","SOB","SOC","SOE","SOF","SOH","SOI","SOJ","SOK","SOL","SOM","SON","SOO","SOP","SOQ","SOR","SOS","SOT","SOU","SOW","SOX","SOY","SOZ","SPA","SPC","SPD","SPE","SPF","SPG","SPH","SPI","SPK","SPL","SPN","SPO"

,"SPP","SPQ","SPR","SPS","SPT","SPU","SPV","SPX","SPY","SPZ","SQA","SQC","SQD","SQE","SQF","SQG","SQH","SQI","SQJ","SQL","SQM","SQO","SQP","SQR","SQS","SQT","SQU","SQV","SQW","SQY","SQZ","SRA","SRB","SRF","SRG","SRH","SRI","SRJ","SRK","SRN","SRQ","SRR","SRS","SRW","SRX","SRY","SRZ","SSA","SSB","SSC","SSD","SSE","SSG","SSH","SSJ","SSK","SSM","SSN","SSO","SSP","SSQ","SSR","SSW","SSX","SSZ","STB","STC","STF","STG","STI","STJ","STK","STL","STO","STP","STQ","STS","STT","STU","STW","STX","STZ","SUA","SUC","SUD","SUE","SUK","SUL","SUN","SUR","SUS","SUT","SUU","SUY","SVA","SVB","SVC","SVD","SVE","SVG","SVI","SVJ","SVL","SVM","SVR","SVU","SVV","SVW","SVX","SVZ","SWA","SWB","SWD","SWF","SWG","SWH","SWI","SWJ","SWK","SWM","SWO","SWP","SWQ","SWR","SWS","SWU","SWW","SWX","SWY","SXC","SXD","SXE","SXL","SXS","SXT","SXY","SYA","SYB","SYC","SYE","SYG","SYK","SYL","SYN","SYO","SYP","SYR","SYS","SYT","SYW","SYX","SYZ","SZA","SZH","SZI","SZK","SZS","SZY","SZZ","TAA","TAC","TAL","TAQ","TAR","TAS","TAX","TBA","TBB","TBG","TBQ","TBR","TCB","TCC","TCR","TCT","TCW","TCZ","TDC","TDF","TDG","TDI","TDL","TDM","TDO","TDQ","TDS","TDV","TDZ","TEC","TED","TEG","TES","TEX","TFB","TFD","TFP","TGA","TGB","TGG","TGM","TGN","TGR","TGS","TGU","TGV","TGW","TGY","THB","THF","THG","THJ","THL","THQ","THR","THS","TIA","TIE","TIG","TIO","TIP","TIQ","TIS","TJB","TJX","TKG","TKH","TKN","TLA","TLQ","TMB","TMP","TMY","TNB","TNF","TNG","TNT","TNU","TOA","TOD","TOE","TOF","TOH","TOI","TOL","TON","TOP","TOQ","TOS","TOT","TOX","TOZ","TPA","TPG","TPQ","TPS","TQB","TQD","TQG","TQR","TQS","TQY","TQZ","TRA","TRB","TRC","TRE","TRF","TRG","TRI","TRK","TRL","TRN","TRO","TRP","TRR","TRS","TRU","TRX","TRY","TRZ","TSA","TSD","TSG","TSI","TSK","TSN","TSP","TSQ","TSR","TST","TSU","TSX","TSY","TTB","TTC","TTH","TTL","TTO","TTP","TTR","TTS","TTT","TTV","TTW","TTX","TUC","TUD","TUE","TUG","TUK","TUL","TUM","TUN","TUP","TUR","TUS","TUT","TUV","TUX","TUZ","TVA","TVK","TVO","TVP","TVQ","TVR","TVS","TVU","TVY","TWA","TWB","TWG","TWL","TWO","TWP","TWT","TWV","TYE","TYH","TZA","TZG","TZK","TZO","TZR","TZY","TZZ","UAB","UAE","UAI","UAM","UAV","UBA","UBB","UBG","UBI","UBR","UBS","UBX","UBZ","UCA","UCC","UCD","UCG","UCH","UCL","UCM","UCO","UCU","UCW","UDD","UDP","UDQ","UDV","UEB","UEM","UEX","UFA","UFC","UFJ","UFK","UFL","UGA","UGM","UGU","UGX","UHA","UHL","UHQ","UHR","UHS","UHU","UHW","UIA","UIO","UIS","UIZ","UJA","UJB","UKA","UKB","UKK","ULA","ULF","ULL","ULO","ULP","ULQ","UMA","UMB","UME","UML","UMO","UMU","UMY","UNA","UNO","UNP","UNT","UNX","UOC","UOI","UOL","UOM","UPA","UPC","UPG","UPH","UPM","UPS","UPT","UQH","URA","URB","URC","URG","URH","URM","URO","URQ","URS","URT","URU","URX","URZ","USA","USB","USD","USE","USF","USI","USK","USL","USN","USO","USP","USQ","USR","USS","USU","USW","USY","UTA","UTM","UTS","UUC","UUD","UUE","UUG","UUI","UUL","UUM","UUR","UUS","UUT","UUU","UUZ","UVD","UVE","UVL","UVT","UVU","UWS","UYC","UYH","UZS","VAA","VAD","VAM","VAQ","VAR","VAS","VAT","VAX","VBH","VEA","VEG","VEN","VEP","VES","VET","VEV","VEX","VFT","VFW","VKX","VLA","VLO","VLU","VMA","VMC","VMH","VMM","VNA","VNR","VNU","VOI","VRA","VRL","VSC","VSE","VSH","VSP","VST","VUC","VUD","VWG","VWX","VYX","WAG","WAH","WBM","WBO","WBX","WCC","WCF","WEA","WEC","WEG","WEM","WEP","WEW","WEX","WGR","WHA","WHB","WHE","WHF","WHG","WHH","WHL","WHM","WHR","WHS","WHV","WHX","WHZ","WIC","WIO","WIT","WJP","WKB","WKK","WKP","WKX","WLF","WLL","WMC","WOA","WOM","WOR","WPM","WPT","WPX","WQA","WRA","WRF","WRM","WRO","WRR","WRV","WRW","WRX","WSA","WSE","WSN","WSP","WSU","WSZ","WTB","WTE","WTK","WTS","WWA","WWB","WZA","XAC","XAL","XAX","XBX","XCS","XEC","XFA","XFS","XHE","XHK","XHX","XIX","XJX","XKX","XMB","XOD","XOX","XPO","XSC","XSX","XUX","XXA","XYH","XYN","YAA","YAB","YAM","YAR","YAW","YBP","YBQ","YBS","YCC","YCS","YCX","YEC","YEL","YET","YEU","YEX","YEZ","YFB","YFC","YFK","YFL","YFM","YFO","YFS","YFT","YFU","YFX","YGL","YGS","YGT","YHT","YIA","YID","YIF","YIG","YIK","YIL","YIN","YIO","YIR","YIT","YIW","YIX","YJW","YKP","YLI","YLK","YLL","YLP","YLZ","YMD","YMO","YMU","YMV","YMW","YMY","YMZ","YNA","YND","YNE","YNG","YNK","YNL","YNM","YNN","YNO","YNS","YNU","YNV","YNW","YNY"

,"YOD","YOE","YOI","YOM","YOX","YPS","YQG","YQT","YRA","YRC","YRE","YRG","YRJ","YRL","Y
RS","YRU","YRW","YRX","YRZ","YSC","YSE","YSK","YSL","YSR","YSS","YTA","YTC","YTL","YTN","Y
TR","YTZ","YUR","YUT","YVT","YWF","YXS","YYC","YYS","YZB","YZS","ZAA","ZAC","ZBZ","ZCD","
ZCP","ZEA","ZEX","ZEZ","ZGC","ZGL","ZGP","ZGS","ZNE","ZNZ","ZOG","ZOT","ZWB","ZYA","ZYB
","ZYP","ZZE")

catch_category: any("Lan","Dis")

weight: switch(($sampling_type/is("S"),positiveInteger range(1,99999999)), regex("^(?:[1-
9]\d{0,7})?$")) // positive integers in range(1,99999999) or empty in case where sampling
type is not "S"; If the sampling type is not "S," the landings weight is likely unknown

subsample_weight: positiveInteger range(1,9999999)

sex: any("F","M","T","I","N")

maturity_method: any("Macr","Hist","NA")

maturity_scale: switch(($maturity_method/is("NA"),is("NA")),any("GFCM scale","NIKOLSKY
scale","MEDITS scale","WKMAT scale","WKMSCEPH scale","WKMSC scale","WKMSEL scale"))

maturity_stage:
switch(($maturity_method/is("NA"),is("NA")),any("0","1","2","2a","2b","2c","2d","2e","3","3a
","3b","3c","3d","4","4a","4b","5","6"))

ageing_method: any("OWR","Scale","Vertebra","Dorsal spine","Anal
spine","Ilicium","VBGF","NA") // VBGF for crustacean ...

age: switch(($ageing_method/is("NA"),empty),regex("^(?:[0-9]|[1-2]\d|30)(?:\.\d{1})?$")) //
match numbers between 0 and 30, allowing up to 1 decimal place or empty in case the
ageing_method is("NA")

length_code: any("cm","mm","scm","25 mm","5 cm","NA")

length_class: regex("^(?:[1-9]\d{0,4})?$") // (in mm): lower bound of size class, e.g. 650 for
[65; 66] cm. In case of individual information, the length class can (and it is preferable to)
contain the individual length measurement e.g. 196 instead of 190. positiveInteger
range(1,99999) or empty

number_at_length: switch(($length_class/regex("^[1-9]\d*$"),regex("^[1-9]\d*$")), empty) //
Not raised to whole catch. If individual weights are available, number at length should be
equal to 1.

commercial_size_category_scale: switch(($catch_category/is("Lan"),regex("^.{0,32}$")),
is("NA") or empty) // if catch_registration="Lan" then free text up to 32 characters, if
unsorted put "NA"

commercial_size_category:
switch(($catch_category/is("Lan"),any("LI","LII","LIII","LIV","LV","1","2","3","4","5","6","7","8",
"9","10","NA")), is("NA")) // If unsorted put "NA"

fish_id: positiveInteger or empty

individual_weight: regex("^(0(\.\d{1})?|[1-9]\d*(\.\d)?)$") or empty // (in g): numbers greater than 0, allowing up to one decimal place