Committee for safety of offshore operations

(pursuant to the Article 8 of the Legislative Decree 18th August 2015, n. 145)

The President

Report on the state and safety of the offshore activities in the hydrocarbon upstream sector

according to
the article 24 (paragraphs 1 and 2) and the article 25(paragraphs 1 and 2)
of the Legislative Decree 18th August 2015, n. 145
and
the Commission Implementing Regulation (EU) n. 1112/2014

Italy

Year 2016

SECTION 1

PROFILE

Information on Member State and Reporting Authority.

a. Member State: **Italy**

b. Reporting period: (Calendar Year) **2016**

c. Competent Authority:
Committee for safety of offshore operations
(pursuant to the art. 8, Legislative Decree 18th August 2015, n. 145)

d. Reporting Authority:
President of the Committee for safety of offshore operations
(pursuant to the art.11 of the Decree of the President of the Council of Ministers 27th September 2016)

e. Contact details: **Secretariat of the Committee for safety of offshore operations**
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SECTION 2

INSTALLATIONS

2.1. Fixed installations: Please provide detailed list of installations for offshore oil and gas operations in your country (on first of January of the reported year), including their type (i.e. fixed manned, fixed normally unmanned, floating production, fixed non-production), year of installation and location:

Table 2.1
Installations within jurisdiction
on 1st January of the reporting period

N	Name or ID	Type of installation[1]	Year of installation	Type of fluid[2]	Number of beds	Coordinates (*longitude-latitude*)
1	Ada 2	NUI	1982	gas	0	12,591285-45,183634
2	Ada 3	NUI	1982	gas	0	12,591176-45,183361
3	Ada 4	NUI	1982	gas	0	12,590910-45,183561
4	Agostino A	NUI	1970	gas	27	12,495518-44,540180
5	Agostino A Cluster	NUI	1991	gas	0	12,496197-44,540685
6	Agostino B	NUI	1971	gas	27	12,471569-44,554372
7	Agostino C	NUI	1992	gas	0	12,494523-44,547174
8	Alba Marina	FPI (FSO)	2012	oil	50	14,939116-42,200550
9	Amelia A	NUI	1971	gas	27	12,660836-44,405716
10	Amelia B	NUI	1991	gas	29	12,662218-44,407503
11	Amelia C	NUI	1991	gas	0	12,662895-44,406935
12	Amelia D	NUI	1992	gas	0	12,661276-44,407901
13	Anemone B	NUI	1999	gas	0	12,704814-44,229289
14	Anemone Cluster	NUI	1979	gas	0	12,705310-44,212786
15	Angela Angelina	FMI	1997	gas	24	12,343127-44,391172

[1] ***Type of installation:*** **FMI** [Fixed manned installation]; **NUI** [(Fixed) normally unmanned]; **FPI** [Floating production installation]; **FNP** [Fixed non-production installation]; **SPS** [Subsea Production System].

[2] ***Type of fluid:*** Oil; Gas; Condensate; Oil/Gas; Oil/Condensate.

N	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates (*longitude-latitude*)
16	Angela Cluster	NUI	1975	gas	0	12,344848-44,392973
17	Annabella	NUI	1991	gas	24	13,078865-44,228781
18	Annalisa	NUI	1999	gas	0	13,113554-44,171042
19	Annamaria B	FMI	2009	gas	19	13,407327-44,322576
20	Antares 1	NUI	1982	gas	0	12,444429-44,393988
21	Antares A	NUI	1985	gas	19	12,453493-44,390057
22	Antonella	NUI	1976	gas	19	12,776663-44,214442
23	Aquila 2	SPS	1993	oil	-	18,327114-40,930188
24	Aquila 3	SPS	1995	oil	-	18,325320-40,918159
25	Argo 1	SPS	2006	gas	-	13,821989-36,916622
26	Argo 2	SPS	2008	gas	-	13,805449-36,926058
27	Arianna A	FMI	1984	gas	19	12,628146-44,306251
28	Arianna Cluster	NUI	1992	gas	0	12,627430-44,305788
29	Armida 1	NUI	1973	gas	0	12,449540-44,475932
30	Armida A	NUI	1985	gas	19	12,453192-44,480303
31	Azalea A	NUI	1984	gas	0	12,714258-44,171769
32	Azalea B	NUI	1987	gas	19	12,720562-44,166817
33	Barbara A	NUI	1978	gas	0	13,803467-44,047208
34	Barbara B	NUI	1983	gas	17	13,741427-44,091609
35	Barbara C	FMI	1985	gas	42	13,781867-44,076859
36	Barbara D	NUI	1986	gas	43	13,809339-44,030369
37	Barbara E	FMI	1987	gas	27	13,757562-44,086474
38	Barbara F	NUI	1988	gas	43	13,817099-44,050183
39	Barbara G	NUI	1992	gas	12	13,791530-44,063905
40	Barbara H	NUI	1992	gas	12	13,762702-44,069387

N	Name o ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates (*longitude-latitude*)
41	Barbara NW	NUI	1999	gas	0	13,648827-44,108865
42	Barbara T	NUI (S)	1985	gas	0	13,781345-44,077277
43	Barbara T2	NUI (S)	2000	gas	0	13,782030-44,077718
44	Basil	NUI	1983	gas	19	13,001086-44,131649
45	Benedetta 1	NUI	2006	gas	0	12,581966-44,179400
46	Bonaccia	NUI	1999	gas	8	14,359527-43,592497
47	Bonaccia Est 2	SPS	2010	gas	-	14,437581-43,578672
48	Bonaccia Est 3	SPS	2010	gas	-	14,437583-43,578614
49	Bonaccia NW	NUI	2015	gas	0	14,335723-43,599803
50	Brenda	FMI	1987	gas	19	13,044925-44,116443
51	Calipso	NUI	2002	gas	0	13,863461-43,827416
52	Calpurnia	NUI	2000	gas	16	14,153981-43,899535
53	Camilla 2	SPS	2001	gas	-	14,246376-42,897839
54	Cassiopea 1	SPS	2008	gas	-	13,732618-36,936642
55	Cervia A	FMI	1986	gas	21	12,639005-44,294608
56	Cervia A Cluster	NUI	1992	gas	0	12,639697-44,295105
57	Cervia B	NUI	1984	gas	19	12,645428-44,288823
58	Cervia C	NUI	1992	gas	12	12,640079-44,301650
59	Cervia K	NUI (S)	2000	gas	0	12,639076-44,295474
60	Clara Est	NUI	2000	gas	0	14,071618-43,779617
61	Clara Nord	NUI	2000	gas	0	13,976674-43,939355
62	Clara NW	NUI	2015	gas	0	14,023295-43,802145
63	Clara Ovest	NUI	1987	gas	0	13,711516-43,828681
64	Daria A	NUI	1994	gas	0	13,249138-44,067586
65	Daria B	NUI (S)	1995	gas	12	13,249706-44,066931

N	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates (*longitude-latitude*)
66	Davide	NUI	1980	gas	0	14,017133-43,095985
67	Davide 7	NUI	2002	gas	0	14,016886-43,095755
68	Diana	NUI	1971	gas	0	12,425718-44,441373
69	Elena 1	SPS	1989	gas	-	14,210255-43,040689
70	Eleonora	NUI	1987	gas	19	14,155689-42,840158
71	Elettra	NUI	2014	gas	0	14,215197-43,764413
72	Emilio	NUI	2001	gas	0	14,243294-42,934945
73	Emilio 3	SPS	1980	gas	-	14,233880-42,938165
74	Emma Ovest	FMI	1982	gas	19	14,379206-42,808505
75	Fabrizia 1	NUI	1998	gas	0	14,001140-43,041377
76	Fauzia	NUI	2014	gas	0	13,554058-44,056355
77	Firenze FPSO	FPI (FPSO)	2011	oil	56	18,326208 40,924163
78	Fratello Cluster	NUI	1979	gas	0	14,168514-42,610534
79	Fratello Est 2	NUI	1980	gas	0	14,172827-42,576845
80	Fratello Nord	NUI	1980	gas	0	14,170126-42,648861
81	Garibaldi A	NUI	1969	gas	27	12,510457-44,523023
82	Garibaldi A Cluster	NUI	1991	gas	0	12,512050-44,523727
83	Garibaldi B	NUI	1969	gas	27	12,531292-44,487009
84	Garibaldi C	FMI	1992	gas	24	12,515280-44,531601
85	Garibaldi D	NUI	1993	gas	16	12,546062-44,478183
86	Garibaldi K	NUI (S)	1998	gas	0	12,516137-44,532077
87	Garibaldi T	NUI (S)	1998	gas	0	12,511376-44,523311
88	Gela 1	NUI	1960	oil	19	14,269550-37,032157
89	Gela Cluster	NUI	1986	oil	0	14,269454-37,032449
90	Giovanna	NUI	1992	gas	19	14,463941-42,768002

N	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates (*longitude-latitude*)
91	Giulia 1	NUI	1980	gas	0	12,753326-44,131040
92	Guendalina	NUI	2011	gas	0	12,881491-44,566435
93	Hera Lacinia 14	NUI	1992	gas	0	17,165078-39,058611
94	Hera Lacinia BEAF	NUI	1998	gas	0	17,172791-39,061388
95	Jole 1	NUI	1999	gas	0	13,926435-43,040959
96	Leonis	FPI (FSO)	2009	oil	49	14,637240-36,559186
97	Luna 27	SPS	1987	gas	-	17,214444-39,088056
98	Luna 40 SAF	SPS	1995	gas	-	17,204166-39,091944
99	Luna A	FMI	1976	gas	18	17,181692-39,114236
100	Luna B	FMI	1992	gas	14	17,200158-39,084925
101	Morena 1	NUI	1996	gas	0	12,482887-44,231073
102	Naide	NUI	2005	gas	0	12,745412-44,343275
103	Naomi Pandora	NUI	2000	gas	0	12,847416-44,689089
104	Ombrina Mare 2	NUI	2008	oil	0	14,533455-42,323409
105	Panda 1	SPS	2002	gas	-	13,623818-37,006610
106	Panda W1	SPS	2003	gas	-	13,594536-37,000607
107	Pennina	NUI	1988	gas	19	14,163626-43,021356
108	Perla	NUI	1981	oil	19	14,216245-36,954193
109	Porto Corsini 73	NUI	1996	gas	0	12,579101-44,385037
110	Porto Corsini 80	NUI	1981	gas	0	12,546216-44,405640
111	Porto Corsini 80 bis	NUI	1983	gas	0	12,520281-44,423353
112	Porto Corsini MEC	NUI	1987	gas	19	12,560198-44,391356
113	Porto Corsini MS1	NUI	2000	gas	0	12,588897-44,348638
114	Porto Corsini MS2	NUI	2001	gas	0	12,576923-44,368807
115	Porto Corsini MWA	NUI	1968	gas	0	12,359541-44,511783

N	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates (*longitude-latitude*)
116	Porto Corsini MWB	NUI	1968	gas	0	12,373809-44,509278
117	Porto Corsini MWC	NUI	1987	gas	19	12,372787-44,508964
118	Porto Corsini MWT	NUI (S)	1987	gas	19	12,359295-44,512380
119	Prezioso	NUI	1986	oil	19	14,045081-37,009175
120	Regina	NUI	1997	gas	0	12,840342-44,104920
121	Regina 1	NUI	1997	gas	0	12,834209-44,102781
122	Rospo Mare A	NUI	1981	oil	2	14,970746-42,203712
123	Rospo Mare B	NUI	1986	oil	4	14,946579-42,213157
124	Rospo Mare C	NUI	1991	oil	2	14,931856-42,235657
125	San Giorgio Mare 3	NUI	1972	gas	0	13,923748-43,197901
126	San Giorgio Mare 6	NUI	1981	gas	0	13,920136-43,206235
127	San Giorgio Mare C	NUI (S)	1972	gas	0	13,901802-43,202624
128	Santo Stefano Mare 101	NUI	1987	gas	0	14,607395-42,228990
129	Santo Stefano Mare 1-9	NUI	1968	gas	0	14,592950-42,231768
130	Santo Stefano Mare 3-7	NUI	1968	gas	0	14,610729-42,219268
131	Santo Stefano Mare 4	NUI	1975	gas	0	14,675454-42,207323
132	Santo Stefano Mare 8 bis	NUI	1991	gas	0	14,636563-42,216490
133	Sarago Mare 1	NUI	1981	oil	0	13,785407-43,320960
134	Sarago Mare A	NUI	1981	oil	0	13,788738-43,288851
135	Simonetta 1	NUI	1997	gas	0	14,183769-42,559691
136	Squalo	NUI	1980	gas	0	14,244378-42,715657
137	Tea	NUI	2007	gas	0	13,018813-44,501557
138	Vega A	FMI	1986	oil	75	14,625491-36,540638
139	Viviana 1	NUI	1998	gas	0	14,155051-42,656403
140	Vongola Mare 1	NUI	1985	gas	0	13,811731-43,253892

2.2. Changes since the previous reporting year

a. **New fixed installations.** Please report the new fixed installations, entered in operation during the reporting period:

Table 2.2.a

New fixed installations entered in operation during the reporting period

N	Name o ID	Type of installation[3]	Year of installation	Type of fluid[4]	Number of beds	Coordinates (*longitude-latitude*)
1	Clara NW	NUI	2015	gas	0	14.023295-43.802145

b. **Fixed Installations out of operation:** Please report the installations that went out of offshore oil and gas operations during the reporting period:

Table 2.2.b

Installations that were decommissioned during the reporting period

Name or ID	Type of installation, i.e *(Fixed attended; Fixed normally unattended; Floating production installation; Fixed non-production installation.)*	Year of installation	Coordinates (*longitude-latitude*)	Temporary / Permanent
-	-	-	-	-

[3] ***Type of installation:*** **FMI** [Fixed manned installation]; **NUI** [(Fixed) normally unmanned]; **FPI** [Floating production installation]; **FNP** [Fixed non-production installation]; **SPS** [Subsea Production System].

[4] ***Type of fluid:*** Oil; Gas; Condensate; Oil/Gas; Oil/Condensate.

2.3.Mobile installations. Please report the mobile installations carrying out operations during the reporting period (MODUs and other non-production installations):

Table 2.3
Mobile installations

Name or ID	**Type of installation,** i.e Mobile offshore drilling; Other mobile non-production	**Year of construction**	**Number of beds**	**Geographical area of operations** *(e.g. South North Sea, North Adriatic)***; and Duration**			
				Area 1	**Duration** *(months)*		
Key Manhattan	MODU (Jack-Up Drilling Unit)	1982	101	Adriatic Sea	4		
Atwood Beacon	MODU (Jack-Up Drilling Unit)	2003	112	Adriatic Sea	7		
Supersundowner XIII	MODU (Fast Move Workover Rig)	1992	-	Adriatic Sea	5		

2.4. Information for data normalization[5] purposes. Please provide the total number of actual offshore working hours and the total production in the reporting period:

a. Total number of actual offshore working hours for all installations: **3,045,243 hours**
b. Total production:**4217kTOE**

Oil production: **$0.72*10^6$ t**

Gas production: **$4.27*10^9$ Sm^3**

[5]For the purpose of this Implementing Regulation, normalization means a transformation applied uniformly to each element in a set of data so that the set has some specific statistical property. For example, a number of reported events (i. e. loss of well control) might be normalized by dividing each one by the total number of wells in that Member State.

SECTION 3

REGULATORY FUNCTIONS AND FRAMEWORK

3.1. Inspections

Number of offshore inspections performed during the reporting period.

Number of offshore inspections	Man-days spent on installations (travel time not included)	Number of inspected installations
401	**408**	**100**

3.1.1 Further monitoring activities

- **165** monitoring flights (**70** by fixed wing aircraft, **95** by rotating wing aircraft);
- **467** monitoring naval missions: **4738** hours of dual-use activities (combining patrol general tasks and monitoring duties on offshore mining-hydrocarbons areas), among which **358** hours with the survey of upstream activities as primary commitment;
- **610** environmental sampling activities carried out with the competent technical bodies.

3.2. Investigations

Number and type of investigations performed during the reporting period.

a. *following* major accidents: **0**
(pursuant to Article 26 of Directive 2013/30/EU)

b. *following* safety and environmental concerns: **0**
(pursuant to Article 22 of Directive 2013/30/EU)

3.3. Enforcement actions

Main enforcement actions or convictions performed in the reporting period pursuant to

Article 18 of Directive 2013/30/EU:

Narrative:

……**//**……

3.4. Major changes in the offshore regulatory framework

Please describe any major changes in the offshore regulatory framework during the reporting period *(include e.g. rationale, description, expected outcome, references).*

1. **Law 3rd May 2016, n. 79.** ***Ratification and execution of environmental agreements.*** The Law introduces in the Italian legal system the Protocol, done on 25th January 2002 in Valletta, related to the cooperation in the matter of ship pollution prevention and to reaction in case of critical pollution situations in the Mediterranean Sea. The Law establishes the importance of the cooperation to prevent, reduce and control the pollution of the marine environment by means of prompt and effective actions at the national, regional and sub-regional levels, respecting the precaution and the "polluter-pays" principles and through the application of the environmental impact assessment.

2. **Decree of the President of the Council of Ministers (DPCM) 27th September 2016.** ***Procedures of the Committee for safety of offshore operations in accordance with article 8 of the Legislative Decree 18th August 2015, n. 145.*** The Decree (DPCM) sets the administrative and operating procedures related to the activities of the *Committee for safety of offshore operations*. The Committee is the Competent Authority under to the Italian Legislative Decree 145/2015, implementing Directive 2013/30/UE. The Decree establishes the composition of Central and Local Committees, their regulatory functions and the office locations. Furthermore, the Decree defines the sanction system and determines the criteria for the distribution of the activities among the entities which form the Committee, in accordance with specific articles of the Legislative Decree 145/2015.

3. **Legislative Decree 17th October 2016, n. 201. Implementation of Directive 2014/89/UE establishing a framework for the maritime spatial planning.** The Decree implements Directive 2014/89/UE that establishes a framework for the maritime spatial planning. The Decree defines the principles for an integrated strategy to plan the current and future maritime activities, covering different sectors such as energy, maritime transport, fishing, raw material extraction and tourism, in order to ensure their effective management and a competitive and resource-efficient blue economy. The Decree, also, specifies that maritime space planning is implemented on the basis of management plans, fundamental tools to plan the use of the marine environment and the spatial and temporal distribution of offshore activities and structures, which may include, inter alia, infrastructures for renewable energy and for exploration, exploitation and transport of hydrocarbons.

4. **Ministerial Decree 7th December 2016.** ***Rules concerning licensing and administrative procedures for onshore and offshore prospecting, exploration and exploitation of gaseous and liquid hydrocarbons.*** The Ministerial Decree has updated the regulatory framework concerning licensing and administrative procedures for prospecting, exploration and exploitation of gaseous and liquid hydrocarbons. The above mentioned Decree is harmonized with the changes already introduced by the Ministerial Decree 30 October 2015 which, in compliance with Legislative Decree 145/2015, has established the separation between the regulatory functions relating to the oil and gas safety and licensing functions concerning mineral fuel resources.

SECTION 4

INCIDENT DATA AND PERFORMANCE OF OFFSHORE OPERATIONS

4.1 Incident data

Number of reportable events pursuant to Annex IX: **0**

of which identified to be major accidents: **0**

4.2 Annex IX Incident Categories

Annex IX categories	Number of events	Normalized number of events
a) Unintended releases	**0**	**0**
Ignited oil/gas releases - Fires	-	-
Ignited oil/gas releases - Explosions	-	-
Not ignited gas releases	-	-
Not ignited oil releases	-	-
Hazardous substances released	-	-
b) Loss of well control	**0**	**0**
Blowouts	-	-
Activation of BOP / diverter system	-	-
Failure of a well barrier	-	-
c) Failure of SECE's	**0**	**0**
d) Loss of structural integrity	**0**	**0**
Loss of structural integrity	-	-
Loss of stability/buoyancy	-	-
Loss of station keeping	-	-
e) Vessel collisions	**0**	**0**
f) Helicopter accidents	**0**	**0**
g) Fatal accidents (*)	**0**	**0**
(h) Serious injuries to 5 or more persons in the same accident (*)	**0**	**0**
i) Evacuations of personnel	**0**	**0**
j) Environmental accidents	**0**	**0**

(*) only if related to a major accident

4.3 Total number of fatalities and injuries (**)

	Number	Normalized value
Total number of fatalities	**0**	**0**
Total number of serious injuries	**5**	**$1.64*10^{-6}$**
Total number of injuries	**6**	**$1.97*10^{-6}$**

(**) a total number as reported pursuant to 92/91/EEC

4.4 Failures of Safety and Environmental Critical Elements (SECEs)

SECE	**Number related to major accidents**
a) Structural integrity systems	0
b) Process containment systems	0
c) Ignition control systems	0
d) Detection systems	0
e) Process containment relief systems	0
f) Protection systems	0
g) Shutdown systems	0
h) Navigational aids	0
i) Rotating equipment – power supply	0
j) Escape, evacuation and rescue equipment	0
k) Communication systems	0
l) other	0

4.5. Direct and Underlying causes of major incidents

Causes	Number of incidents	Causes	Number of incidents
a) Equipment-related causes	**0**	**c) Procedural / organisational error**	**0**
Design failure	-	*Inadequate risk Assessment/perception*	-
Internal corrosion	-	*Inadequate instruction/procedure*	-
External corrosion	-	*Non-compliance with procedure*	-
Mechanical failure due to fatigue	-	*Non-compliance with permit-to-work*	-
Mechanical failure due to wear-out	-	*Inadequate communication*	-
Mechanical failure due to defected material	-	*Inadequate personnel competence*	-
Mechanical failure (vessel/helicopter)	-	*Inadequate supervision*	-
Instrument failure	-	*Inadequate safety leadership*	-
Control system failure	-	*Other*	-
Other	-		-
b) Human error – operational failure	**0**	**d) Weather-related causes**	**0**
Operation error	-	*Wind in excess of limits of design*	-
Maintenance error	-	*Wave in excess of limits of design*	-
Testing error	-	*Extremely low visibility in excess of system design*	-
Inspection error	-	*Presence of ice/icebergs*	-
Design error	-	*Other*	
Other	-		

4.6. Which are the most important lessons learned from the incidents that deserve to be shared?

Narrative:

……//……

END OF THE REPORT