

D. Lgs. n. 145/2015  
NOTIFICATION – REPORT MAJOR HAZARDS  
COMPETENT AUTHORITY  
PROCESS AND PROCEDURES

Ravenna 30/03/2017

*Ing. Arnaldo Vioto*

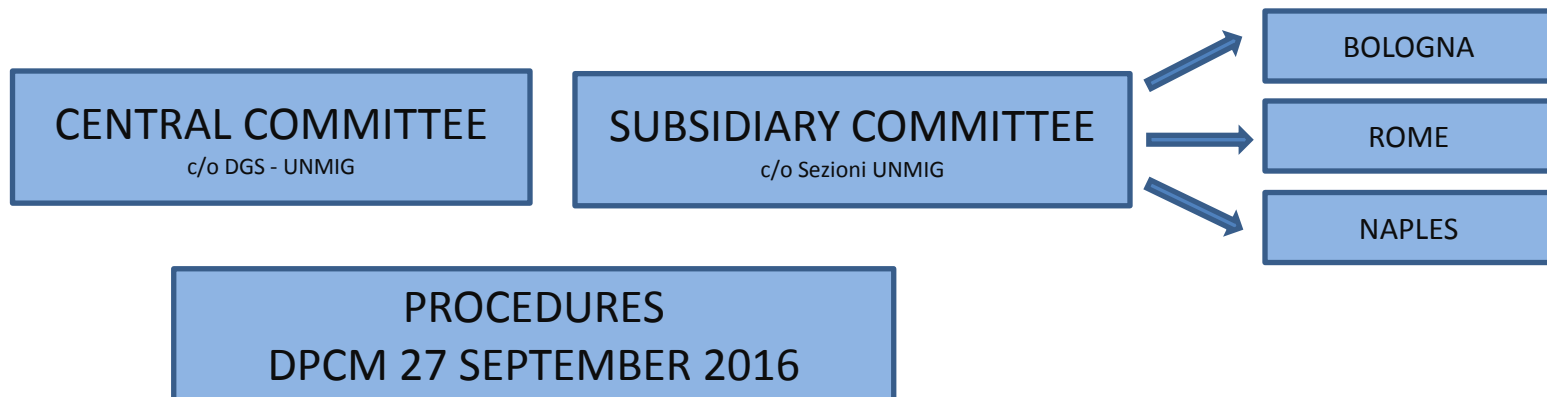
*Dott.ssa Elena De Gregorio*

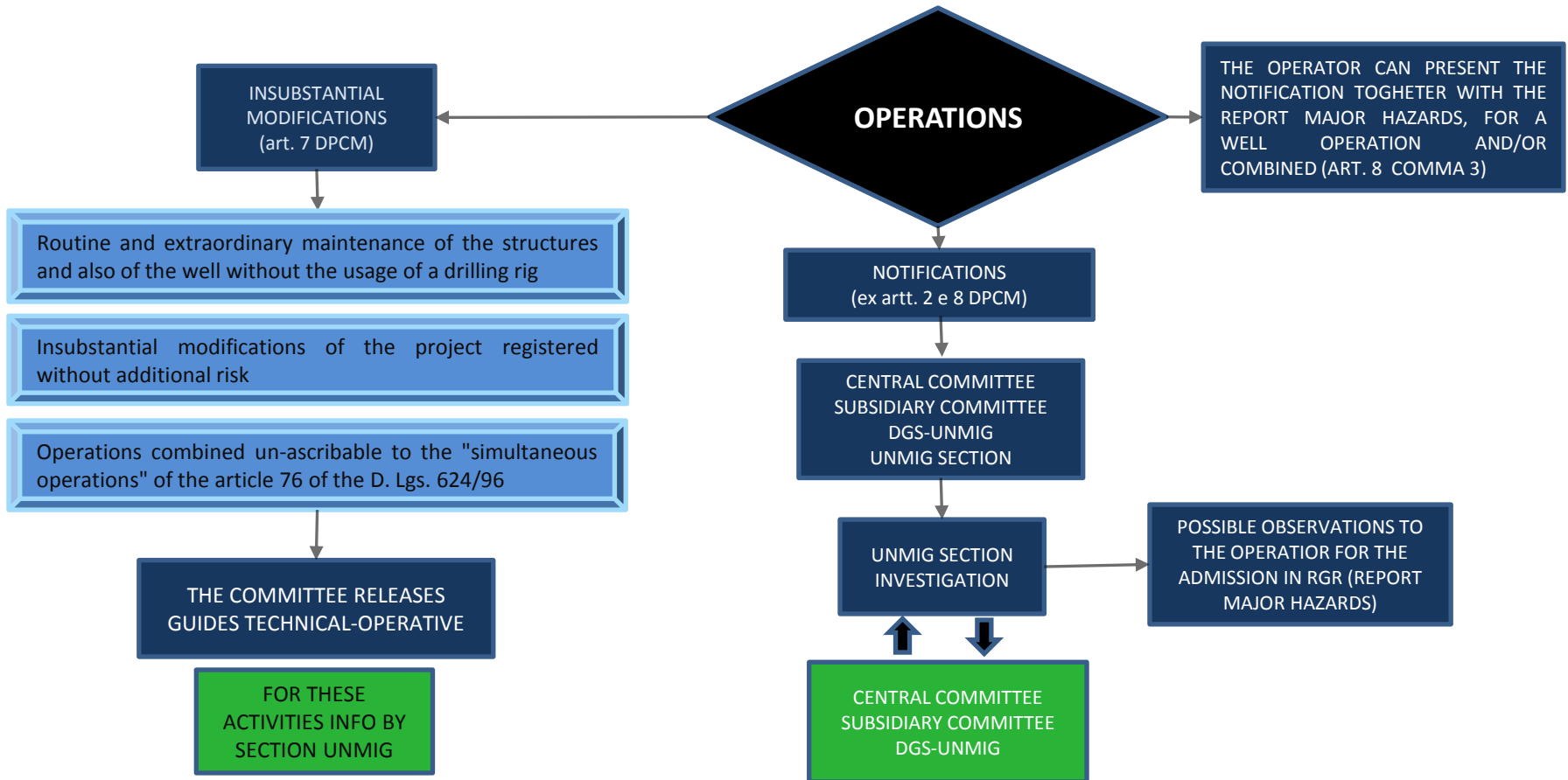
*Ministry of Economic Development*

DIRECTORATE GENERAL FOR SAFETY OF MINING AND ENERGY ACTIVITIES  
NATIONAL MINING OFFICE FOR HYDROCARBONS AND GEORESOURCES

The Competent authority responsible for the following regulatory functions assigned tasks by the D. Lgs. n. 145/15 – art. 8 comma 1

## COMMITTEE FOR THE SAFETY OF OFFSHORE OIL AND GAS OPERATIONS





# DIAGRAM OF THE PROCEDURES



60° UNMIG  
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EMERGENCY OPERATIONS TO THE WELLS CAN BE DONE AT ANY TIME, GIVING SUBSEQUENT INFORMATION TO THE SUBSIDIARY COMMITTEE

**PRODUCTION INSTALLATION AND NON-PRODUCTION INSTALLATION REPORT MAJOR HAZARDS (RGR) (ART. 9 DPCM)**

**OPERATIONS IN INSTALLATION WITH RGR ALREADY ACCEPTED ALSO IN AN OTHER PLACE (art. 10 comma 1)**

IT DOES NOT EXIST SUBSTANTIAL MODIFICATIONS IN THE VALUATION OF THE RISK AND TO THE RGR - INFORMATION(ART. 10 COMMA 3)

CENTRAL COMMITTEE  
SUBSIDIARY COMMITTEE  
DGS-UNMIG  
UNMIG SECTION

PROCEDURES IN CHARGE TO THE SUBSIDIARY COMMITTEES (ART. 10 DPCM)

SUBSIDIARY COMMITTEE

MODIFICATIONS / UPDATING / PERIODIC REVIEW RGR TOGETHER WITH THE NOTIFICATION AND THE MOTIONS OF DPR 886/79, D.LGS. 624/96 E L. 239/2004

30 DAYS SILENT APPROVAL

UNMIG SECTION INVESTIGATION

SUBSIDIARY COMMITTEE RGR APPROVAL WITH DEED

SUBSIDIARY COMMITTEE

CENTRAL COMMITTEE DGS-UNMIG

UNMIG SECTION INVESTIGATION

## NOTIFICATIONS (ART. 8 DPCM)

- **The operator presents to:**
  - Central Committee, Subsidiary Committee, DGS-UNMIG, UNMIG Section
  - Notifications for the project of a production installation planned in the work program approved - 5 months before the start of the operations
  - Notifications for a well operation and/or combined - 5 months before the start of the operations
  - Notifications for the transfer of a production installation - 90 days before the start of the operations
- **The Section defines the procedure and expresses any possible observations to the Central Committee, Subsidiary Committee and DGS-UNMIG in order to examine, integrate and/or modify within 30 days**
- **The operator receives from the Section any possible observations in order to be included in the Report Major Hazards**
- **The operator can present the notification together with the Report Major Hazards, for a well operation and/or combined (art. 8 comma 3)**

## REPORT MAJOR HAZARDS (ART. 9 DPCM)

- **The operator presents the Report Major Hazards to:**
  - C, Subsidiary Committee, DGS-UNMIG, UNMIG Section
    - For a production installation - 3 months in advance of the start of the operations
    - For a non-production installation - 3 months in advance of the start of the operations
- **The Section defines the procedure and expresses any possible observations to the Central Committee and DGS-UNMIG in order to examine, integrate and/or modify within 30 days**
- **After this period, the Section proposes the acceptance of the Report Major Hazards to the Subsidiary Committee, which issues, within the next 30 days, the acceptance procedure sending it for information to the Committee**

## PROCEDURES IN CHARGE TO THE SUBSIDIARY COMMITTEE (ART. 10 DPCM)

The installation included in the article 2, comma 1 letters p), q) e r), of the DLGS 145/2015, for which it has been accepted a RGR on activities already carried out by the same also in other place

- The operator presents to the Subsidiary Committee the notification and the re-examination of the RGR together with the pertinent motions required by DPR 886/79, D.lgs. 624/96 e L. 239/2004
- The Section proposes the acceptance of the re-examination of the Report Major Hazards to the Subsidiary Committee, which issues, within the next 30 days, the acceptance procedure sending it for information to the Committee
- Modifications without additional risk, the operator sends the information to the Subsidiary Committee enclosing the declaration of insubstantial of the modifications to the RGR accepted - 30 days silence approval
- Emergency operations to the wells can be done at any time, giving subsequent information to the Subsidiary Committee



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THANK YOU FOR YOUR ATTENTION

Ravenna 30/03/2017

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**Insubstantial modifications - FOR EXAMPLE ACTIVITIES THAT COULD BE CONSIDERED MAINTENANCE**

**Installation:**

1. The substitution due to breakage, malfunction, obsolescence of equipment and / or components, but also with different materials that ensure at least the same level of performance and safety, that is innovative. The only possible plant modifications included are the ones required for the installation and proper functioning of the equipment and / or components;
2. Repairs and replacement of equipment (tanks, columns, separators, vessels, reactors, heaters, air cooler, etc.), containers or other components with others of no greater capacity and having the same process, structural and functional, features, including the connection piping, instrumentation, control and safety systems;
3. Downgrading of a gas line, maintenance or repair of gas and / or glycol and / or water sea lines (with inclusion of clamps or old stretches to be replaced with the newest);

**Wells - actions without the use of a drilling rig**

1. Interventions on the production wells, aimed at optimizing and / or the recovery of production performance:
  - a. Wireline and Coiled Tubing interventions;
  - b. rigless intervention of shots "Through Tubing" for opening levels that have already produced in the past, or known levels;
  - c. replacement of the existing equipment with the same characteristics or to ensure an innovative level of performance that do not involve changes to the general scheme of the well's function, (such as, for example: plugs, opening and closing valves, circulation valves, turbine, pump ESP ... );
  - d. nitrogen pumping operations, acid stimulations, "test foamer injection" "welhead compressor" "Water Shut Off";

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**Insubstantial modifications - FOR EXAMPLE ACTIVITIES THAT COULD BE CONSIDERED variants without additional risk**

- 1. Adding of new cabs to use as laboratory, warehouse, office ... which do not involve changes to the system of sensors explosive mixture and fumes;**
- 2. Systems and methodologies for water treatment;**
- 3. Conversion from gas or glycol line to water line and exercise of new lines for stratum water and / or process waters;**
- 4. Dismantlement of lines and / or existing equipment including reclamation, inerting and safety;**
- 5. Modifications of equipment and / or devices, to eliminate, as quickly as possible, any flaws that might affect the safety and health of workers;**
- 6. Insertion of equipment such as antennas or detectors on the platforms;**
- 7. All variants of the deposited project, ex art. 84, 85, 90 and 93 of the DLGS no. 624/96, that do not involve modifications to the security and fire prevention measures**

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Insubstantial changes - not due to simultaneous operations under art. 76 DLGS no. 624/96

**Art. 76 (Operazioni simultanee)**

1. Si intendono per operazioni simultanee tutte quelle operazioni, da effettuarsi in contemporanea da uno stesso cantiere o piattaforma per lo sviluppo e la coltivazione di un giacimento, che, oltre alla perforazione, prevedono produzione, work-over, lavori di saldatura e taglio, o comunque uso di fiamme libere, nonché movimentazione di carichi suscettibile di arrecare danni ad apparecchiature ed impianti.
2. Il titolare che intenda eseguire operazioni simultanee e' tenuto a chiedere autorizzazione all'autorità di vigilanza presentando un piano dei lavori comprensivo: a) del programma di perforazione dei pozzi; b) del programma di intervento ai pozzi; c) delle operazioni speciali da eseguire.
3. Il piano di cui al comma 2, deve essere modificato o aggiornato ogni qualvolta vengano programmate operazioni simultanee che differiscano in modo significativo da quelle indicate nel piano operativo generale.
4. Il titolare deve prevedere nel DSS un programma generale delle attività simultanee da condurre e deve in particolare dimostrare che dallo svolgimento delle attività simultanee non deriva un aggravio dei rischi per il personale, le strutture, l'ambiente ed il buon governo del giacimento.
5. Durante lo svolgimento delle operazioni simultanee il direttore responsabile deve essere presente sul luogo di lavoro.
6. Nel caso di operazioni in mare il direttore responsabile assume anche le funzioni di Capo piattaforma e si deve avvalere di un sorvegliante per l'attività di perforazione o di work-over e di un sorvegliante per le attività di produzione.
7. L'autorità di vigilanza richiede il parere del competente Comando provinciale dei VV.F. sulle misure previste per la protezione antincendio.

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Art. 10 comma 2, DPCM

...

- ex articoli 90 e 93 del decreto legislativo n. 624 del 1996 per gli impianti di produzione, per la quale la Sezione acquisisce il parere di cui al comma 2 dello stesso articolo 90;
- ex articolo 20 del DPR n. 886 del 1979 e articolo 21 del decreto direttoriale 15 luglio 2015 per la perforazione di pozzo, per la quale la Sezione acquisisce il parere espresso dalla Direzione ai sensi dell'articolo 21 del DPR n. 886 del 1979;
- ex articolo 77 del DPR n. 886 del 1979 e ex articolo 1 comma 82 sexies della legge n. 239 del 2004, per operazioni di intervento ai pozzi almeno 2 mesi prima dall'inizio delle operazioni;
- ex articolo 76 del decreto legislativo n. 624 del 1996, per operazioni combinate almeno 2 mesi prima dell'inizio delle operazioni, per la quale la Sezione acquisisce il parere di cui al comma 7 dello stesso articolo 76;
- di riesame periodico ex articoli 12, comma 7, e 13, comma 7, del decreto legislativo n. 145 del 2015.

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