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**Annex 2.4**

**Description of the activities' progress planned in the on-going reporting period and until the end of implementation of the Action**

***Provide a description of the:***

- a) *planned progress of the activities in the on-going reporting period.*
- b) *planned progress of the activities to be performed beyond the on-going reporting period up until the end of the implementation of the Action (if the on-going reporting period is not the last one).*
- c) *tasks related to the compliance with the EU legislation (such as environmental, procurement, etc.).*

**Activities' Progress**

**ACTIVITY 4- EXPLORATORY ACTIVITIES FROM THE FOOT OF THE SAINT-MARTIN-LA-PORTE ACCESS TUNNELS**

After a final civil engineering phase to consolidate the supports put in place for the advance, the SMP4 SITE has ended and has given way to the grouping made up of different companies of the consortium led by [REDACTED] [REDACTED] [REDACTED]

→ Thus this activity 4 will be followed by the activities 24 et 25.

**ACTIVITY 7 - RELEASE OF THE LAND ACQUIRED FOR PUBLIC PURPOSES AND DEMOLITIONS**

A/ Demolitions and land preparation -in France

[REDACTED] will have to be vacated to [REDACTED].

B/ Demolitions and land preparation -in Italy

The works have been completed and testing will be carried out during the year.

**ACTIVITY 8 - UTILITIES DIVERSIONS IN FRANCE**

**• C180680-[REDACTED] / Diversion for telephony networks in Saint-Jean-de-Maurienne (on-going)**

According to the Network Operator [REDACTED] Agreement (in Saint-Jean-de-Maurienne and Villargondran municipalities): studies for telephony networks diversion and optical fibers will make works in the Saint-Jean-de-Maurienne's Basin.

Indeed, the amendment was signed in 2022 following the evolution in Saint Jean de Maurienne's basin then the work program under [REDACTED] MOA has been also changed. New areas were affected with a new phasing thus new phases of temporary diversions have been carried out.

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- **C229111- [REDACTED] / A 42 kV power line diversion works regarding Chaudannes' area (Agreement signed on 14/12/2022)**

Modification partielle de la ligne à 42 kV ARVAN - LE CORBIER - LONGEFAN - ST JEAN DE MAURIENNE sur le site Chaudannes à Saint Jean de Maurienne (En cours)

→ A partial revision of the 42 kV power line ARVA N - LE CORBIER - LONGEFAN - ST JEAN DE MAURIENNE from Chaudannes in Saint-Jean-de-Maurienne's area (currently ongoing )

**Description :**

Une nouvelle convention travaux avec [REDACTED] (dans la commune de Saint Jean de Maurienne) pour la déviation de la ligne électrique 42KV Chaudannes Arvan augmentera la puissance de cette ligne électrique et permettra de faire face aux travaux de la nouvelle ligne ferroviaire.

Following the new Agreement works with [REDACTED] the (French) Network of transmission operator for electricity (in the country of Saint Jean de Maurienne), powerline will be increased by the diversion of the of the 42kV Chaudannes Arvan in order to carry out the works of the new railway line.

- **C209078 - [REDACTED] / A fibre diversion works in Saint-Jean-de-Maurienne (on-going)**

According to the Network Operator [REDACTED] / [REDACTED] Agreement (in Saint Jean de Maurienne's area): the diversions of optical fibre networks will perform the works in Saint-Jean-de-Maurienne. Diversions works have been carrying out according to the planning of the main works.

- **C170060 - [REDACTED] / Diversion HTA powerline works in Saint-Jean-de-Maurienne (on-going)**

According to the Network operator [REDACTED] Agreement (in Saint-Jean-de-Maurienne): the removal from HTA (20KV) and low voltage networks in Saint-Jean-de-Maurienne allow the main works to be carried out. The diversions works (Artisan Street, Arc Street, Saint-Jean-de-Maurienne and Villargondran's areas, Libération Str., rue Louis Sibué Str., la Bastille Str., René Cassin Str., land parcel Martinet, RD81, in the former Resses'area, deviation Bastille post and construction of new Bastille) were carried out according to the planning of the main works (first phase until 31/12/2021)

- **C181554 – [REDACTED] / A 150kV diversion powerline works (on-going)**

Agreement works with [REDACTED] Network of transmission operator for electricity (in Saint- Jean-de-Maurienne Saint-Julien-Montdenis and Villargondran countries): thanks to the diversion by earthing the powerline, the works will begin.

**Compensation 1,7 mln euro to be explained**

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ACTIVITY 9 - UTILITIES DIVERSIONS IN ITALY

In [REDACTED] preliminary talks and agreements with the [REDACTED] will be planned in order to complete the utilities diversions in the Susa Plain funded in the construction lot n°4 according to the CIPE resolution n.3/2022.

During the year, the [REDACTED] low voltage line in the operating site 03/04 from La Colombera to Chiomonte is planned to be relocated.

Finally, the utilities diversion will be anticipated before the arrival of the construction companies on the O.W. 10 for the completion of the [REDACTED]'s sewer section in Salbertrand and the [REDACTED] Medium voltage line in Torrazza Piemonte.

This milestone [REDACTED] cannot be achieved within the timeframe of the action therefore it is intended excluded from the scope of the GA (Technical % 95) but it should be compensated with the extension of the scope of another activity for 136k€. It has to be clarified if objectives 4-5-9 are considered to be removed from the GA 2014-2020.

ACTIVITY 10 - CHIOMONTE INTERCHANGE

- The activities concerning the construction site installation for the new Chiomonte junction are now starting.
- Foundation excavation and elevations.

ACTIVITY 11- RELOCATION OF AUTOPORT (CONVENTION [REDACTED])

In [REDACTED], the following operations are expected to be carried out:

- Completion of platform embankments
- Construction of service building structures
- North lane entrance-exit ramps.

ACTIVITY 12 - RELOCATION OF [REDACTED] "SAFE DRIVING" TRACK

**Remember that** it has to be underlined that on last 21 December 2022, TELT initiated the procedures for starting the Environmental Impact Assessment and the Declaration of Public Utility, pursuant to articles 167, 183 and 185 of Legislative Decree 163/2006, with specific notices published in national newspapers [REDACTED] and Local newspapers [REDACTED] and submitted the Definitive Plan to the competent bodies.

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The first session of the Regional Services Conference was held on 23 January 2023, while the session of the National Services Conference will be held on 7 February.

Proceedings are underway with the technical assessments by the competent bodies.

ACTIVITY 14 - ELECTRIC CONNECTION SUSA-VENAUS

→ Regarding Power supply of construction site 03/04:

In [REDACTED] the authorisation process will begin at the Ministry of Economic Development for the modification of the national electricity grid, in order to allow the replacement of the power line support useful for the temporary diversion.

**MILESTONE [REDACTED] CANNOT BE ACHIEVED WITHIN THE TIMEFRAME OF THE ACTION, THEREFORE IT IS INTENDED EXCLUDED FROM THE SCOPE OF THE GA (TECHNICAL % 75) BUT IT HAS TO CLARIFIED THAT 5.5 MLN EURO OF COSTS SHOULD BE COMPENSATED WITH THE EXTENSION OF THE SCOPE OF ANOTHER ACTIVITY. WORKS FOR ELECTRICAL POWER SUPPLY FOR CHIOMONTE NOT NECESSARY AT THIS STAGE**

ACTIVITY 15- AVRIEUX SHAFTS

On the Avrieux platform (CO-05a), work will continue for the construction of the shafts and in particular:

Completion of 2 (or 3) bores. The last bore should be completed in [REDACTED]

Excavation of the 4<sup>th</sup> pilot hole.

Work on the lining and support of the shafts which have already been excavated.

Since work on Part 2 was completed, underground work will focus on Part 3 with the construction of the assembly chambers for the tunnel boring machines; the work on Part 3 should be completed by early [REDACTED]

**In the GA completion date of the activity is [REDACTED] as [REDACTED] (end of excavation). In the agreed table red/yellow [REDACTED] was shifted to [REDACTED]. Now it was anticipated from [REDACTED] to [REDACTED] Which activities are expected in the year [REDACTED] for 50 mln di euro if the excavation of shafts are completed and the two dates in the GA was the same? to be clarified**

ACTIVITY 16- VILLARD CLÉMENT CUT AND COVER

*Not applicable* (Works have been completed)

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Activity 17 - Electric connection for French worksites

The agreement with the operator [REDACTED] (in Villarodin-Bourget municipality) is to create the electrical transformer station 63/20 KV for the electrical supply of the site in a first stage, then the auxiliaries High Voltage and for the power supply electric traction of the base tunnel in the operating phase in a second stage.

Activity 19 Is missing

**MILESTONE [REDACTED] CANNOT BE ACHIEVED WITHIN THE TIMEFRAME OF THE ACTION. THEREFORE IT IS INTENDED EXCLUDED FROM THE SCOPE OF THE GA (TECHNICAL % 70) BUT IT HAS TO CLARIFIED THAT THE REDUCED COSTS (FOR TENDER?) SHOULD BE COMPENSATED WITH THE EXTENSION OF THE SCOPE OF ANOTHER ACTIVITY.**

ACTIVITY 21- MADDALENA-SUSA (O.W.3-4)

The tender phase for the awarding of the contracts for the Base Tunnel works is expected to end.

[REDACTED] signature of the Contract it seems it is planned by [REDACTED] ([REDACTED])

[REDACTED] handover of areas to the contractor ?? see previous comment

From [REDACTED] which year?: start of the 1<sup>st</sup> phase of the Executive design work.

ACTIVITY 22- MADDALENA INTERCONNECTING NICHES (O.W.4A)

The excavation of the niches (11 remaining niches for a total of 385 linear meters of excavation) and road surface construction (2,040 m for the concrete platform and 755 m for the drainage system) are expected to be completed [REDACTED]

ACTIVITY 23- MODANE ANE MADDALENA (O.W.5)

In [REDACTED] the executive design activities will continue in all parts of the project.

→ In particular, the followings are planned for [REDACTED]

- Arrival at the factory of the two tunnel boring machines that were ordered in 2022
- The order and start of the specific tools required for the construction of the tunnel lining, called "würms".

Order of WURM will be made in [REDACTED] however the set up in supplier's factory is expected in [REDACTED]

[REDACTED] This milestone [REDACTED] cannot be achieved within the timeframe of the action. therefore it is intended

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excluded from the scope of the GA (Technical % 90) but it has to clarified that the reduced costs as of 19,3 mln euro should be compensated with the extension of the scope of another activity.

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**ACTIVITY 24- LA PRAZ-MODANE (O.W.6)**

La Praz – Modane (O.W.6)

→ **Work on the final section of the access adit and the installation of construction site facilities will continue** [REDACTED].

This will allow excavation of the connection tunnel and the first excavations at the foot of the access adit to the west of the La Praz safety site.

The two tunnel boring machines will be delivered to the factory in the last quarter of the year.

**ACTIVITY 25- SAINT-MARTIN-LA-PORTE - LA PRAZ(O.W.7)**

Saint-Martin – La Praz (O.W.7)

→ **Work on the platform will continue** [REDACTED] **with the completion of the main installations.** The foundation work and the assembly of the conveyor structure will be carried out.

The excavation of the logistics galleries and the structures located at the foot of the access adit, in particular the technical cavern, will be carried out underground.

The tunnel boring machine will be delivered to the factory and then transported to the construction site at the [REDACTED]

**ACTIVITY 26- SAINT-JULIEN-MONTDENIS (WEST ENTRANCE) – SAINT-MARTIN-LA-PORTE (O.W.8)**

The excavation work of the entrance to the base tunnel began on 5 December 2022 and will continue until [REDACTED]

To Specify if some activities are out of the scope with related compensation

**ACTIVITY 27 SAINT-JEAN-DE-MAURIENNE ([REDACTED]) (O.W.9B) AND ACTIVITY 28 SAINT-JEAN-DE-MAURIENNE (TELT) (O.W.9C)**

A/ **O.W.9B** : The year [REDACTED] will be the completion of phase 1 with the commissioning of a new railway installations (substations and signalling) carried out over the last years.

This punching operation will take place over a few days in [REDACTED] with hundreds [REDACTED] agents dedicated to the operation.

The work base for receiving all the companies for 10 years will be operational from March 2023.

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The main works contracts [REDACTED] (Civil Engineering) [REDACTED] (Railway Equipment) notified at the beginning of 2023 will allow the start of phase 2 of the operation.

B/ O.W. 9C : International Railway Station, Junction RD906

- Continuation of the International Railway station Studies AVP and PRO
- Demolitions phase 4 on the [REDACTED]

### ACTIVITY 29- TRIMET AND VILLARGONDRAN DAMS (O.W.9D)

**Not applicable** (Works have been completed)

### ACTIVITY 30- ARC BRIDGE (O.W.9E)

Construction site 9E –Arc River viaduct:

→ Start of the final project phase in February 2023 for the launch of the tender for the works before [REDACTED].

### ACTIVITY 31- MANAGEMENT OF EXCAVATED MATERIAL IN ITALY (O.W.10)

→ **The main activities are expected to take place during [REDACTED]** are as follows:

- The contract award and start of works for 'Waste removal from areas C and D' (T20) and the characterisation of the soil beneath the spoil heaps. The construction site is expected to start [REDACTED] and will last approximately [REDACTED] months.
- The tender analysis will continue for the main works of CO10 (T13 lot 2). [REDACTED], the award and the start of the executive design of CO10 and the construction site works for the first phase Executive Project are expected.
- On 01/07/2021, the request for connection to the [REDACTED] [REDACTED] was sent for the Torrazza railway junction. With a letter dated 24/11/2021, [REDACTED] requested an in-depth evaluation of the project, which was prepared during 2022.

During [REDACTED] the agreement with [REDACTED] should be drafted for railway works on the national line



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ACTIVITY 32- MANAGEMENT OF EXCAVATED MATERIALS IN FRANCE (O.W.11)

A/ Saint Antoine Bridge: the second part of the reprofiling of the Saint Antoine riverbed will be completed. The new bridge will be built and the temporary bridge will be dismantled in [REDACTED].

B/ T10 Lot 2: Modane By Pass Road

Work on the soil-nailed walls will resume in winter. The tunnel excavation is expected to start around [REDACTED]. Then the roadworks and installations will be carried out.

ACTIVITY 33- ENGINEERING AND OTHER COSTS NOT INCLUDED IN OTHER O.W.

The main activities will be:

- a) Assistance to all operational sites for the check and control of the development of the detailed studies and design and design follow-up of the work's activities, with a view to guaranteeing compliance with the functionality and the need for homogeneity between the different lots of the Project and maintainability of the work,
- b) Assistance to all operational sites for the implementation of the BIM specifications of the executive studies and works with a view to ensuring the homogeneity of the BIM protocols between different sites in the different EXE/DOE phases,
- c) Assistance to the Tender design activities of the multidisciplinary activities related to the System Engineering of the Contract O.W.12. In this contract will emerge the activities of the Civil Works finalization, the trackwork activities and the System's related to the railway and not railway technological systems. This support will be assured during the consultation phases and true the evaluation of technical and financial studies,
- d) External control of the preliminary design DCE of the operational sites O.W.01 and O.W.02,
- e) Detailed technical studies on various operating sites in France and Italy, not included in the activities commissioned to the Supervision of Works.

The milestones [REDACTED] [REDACTED] cannot be achieved within the timeframe of the action. therefore it is intended excluded from the scope of the GA (Technical % 95) but it has to clarified that the reduced costs as of 4,7 mln euro should be compensated with the extension of the scope of another activity.