

23 march 2023



SUBJECT / SUJET: Telecommunication systems – Deployment strategy

SOURCES & METHODS INVOLVED / SOURCES ET METHODES EMPLOYEES

- | | |
|---|--|
| <input type="checkbox"/> Investigation / Enquête | <input checked="" type="checkbox"/> Strategic planning / Planification Stratégique |
| <input type="checkbox"/> Documentary monitoring / Veille documentaire | <input type="checkbox"/> Instruction / Instruction |
| <input type="checkbox"/> Lobbying / Action lobbyiste | <input type="checkbox"/> Profiling Simulation / Simulation Profilage |
| <input type="checkbox"/> Field Intervention / Intervention terrain | <input type="checkbox"/> R&D / Recherche & Développement |

CONFIDENTIALITY LEVEL / NIVEAU DE CONFIDENTIALITE

- Classified / Classifié
- Declassified / Déclassifié
- Sensitive / Sensible
- Confidential / Confidentiel
- Secret Top Secret

STATUS / STATUT

- | | |
|---|--|
| <input type="checkbox"/> Pre-project study / Etude avant-projet | <input type="checkbox"/> Started / Démarré |
| <input checked="" type="checkbox"/> Stand-by / Mise en attente | <input type="checkbox"/> Adjourned / Ajourné |
| <input type="checkbox"/> Completed / Finalisé | |

RESULT / RESULTAT

- Achieved / Atteint
- Partially met / Partiellement atteint : 67 %
- Not Achieved / Pas atteint

AREA / ZONE: Worldwide



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1- CONTEXT

- Following the success of research and development of Li-Fi and quantum telecommunication technologies (see reports 5850R_IRRA006_REDE and 5850R_IRRA008_REDE), those are now fully ready to move forward into production step.
- According to report 5850R_IRRA009_ACCO, all smart electronic devices (PCs, smartphones, etc.) produced since 2020 are fully compatible with Li-Fi technologies.
- As per report 5850R_IRRA003_UNRE, quantum technologies are significantly superior to Li-Fi, but a global replacement of all smart electronic devices cannot be achieved within the targeted time frame. Therefore, Li-Fi is considered to be a temporary highly effective alternative solution, and its worldwide deployment can be carried out in an extremely short period of time.

2- OBJECTIVES

- Large-scale production of Li-Fi transmitters/receivers in order to meet human needs worldwide according to deadlines as defined in the strategic plan.
 - At least an individual transmitter/receiver adapter per device.
 - A significant stock is available to manage any unexpected events that may arise during deployment.
- A large number of orbital quantum transmitters/receivers must be set up for a complete replacement of long-distance wired infrastructures.
- At city scale, worldwide implementation of networks of Li-Fi transmitters/receivers according to the deadline.
 - Access to Li-Fi has to be entirely free for everyone without any restrictions.
 - As referred in report 5850R_IRRA006_REDE, Li-Fi should be named for the public under the designation of "6G".
- Release individual transmitters/receivers adapters to everyone for free.
- The satellites must be fully operational in order to get quantum transmitters/receivers activated.
- Disable the entire radio frequency telecommunication infrastructures.

3- ACTIONS

- Jan. 2022: 126 production and storage subsidiaries for Li-Fi technologies have been set up, in collaboration with Elon Musk and governments supporting the project.
- 43 production and storage subsidiaries for orbital quantum transmitters/receivers have been set up, under the same conditions as described above.
- All the actions mentioned have been fully supported by a Wolf unit, assigned on the project, from the beginning.
- Aug. 2022: production launch of Li-Fi and quantum devices.
- Mar. 2023: putting satellites into orbit by governmental and private partners.
- Apr. 2023: first step of worldwide installation of Li-Fi transmitters-receivers at city scale, with the assistance of industrial groups involved in the project.



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- PROJECT ON HOLD awaiting fulfilment of the related tasks required for the project completion.
- Scheduled: distribution campaign of individual Li-Fi transmitters-receivers adapter.
- Scheduled: all radio frequency and wired telecommunication infrastructures will be fully disabled at the end of distribution campaign.

4- RESULTS

- Production's target met. Li-Fi and quantum technologies are stored in warehouses designed to this end.
- As planned: PROJECT ON HOLD awaiting fulfilment of the related tasks required for the project completion.
 - Some required elements have to be put in place before the deployment of the aforementioned technologies (see report 3A690_IRRA007_PLST).

Report writer

