ESSOR |

Interoperable communication activities for waveforms at tactical level compliant with European Secure SOftware defined Radio (ESSOR) and Software Communication Architecture (SCA) software defined radio platforms

SELECTED PROJECTS -EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP)

DIRECT AWARD **CALL TITLE**	**Interoperable communication activities for waveforms at tactical level compliant with European Secure SOftware defined Radio (ESSOR) and Software Communication Architecture (SCA) software defined radio platforms**
DURATION OF THE PROJECT:	**36 months**
TYPE(S) OF ACTIVITIES:	**Study; Design**
TOTAL COST:	**€ 48,163,344.38**
MAXIMUM EU CONTRIBUTION :	**€ 34,655,931.00**

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
LEONARDO S.P.A. (COORDINATOR)	Italy
BITTIUM WIRELESS LTD	Finland
INDRA SISTEMAS	Spain
RADMOR SA	Poland
ROHDE & SCHWARZ GMBH & CO. KG	Germany
THALES SIX GTS FRANCE SAS	France

SHORT DESCRIPTION OF THE PROJECT:

The project supports the development of an interoperable, secure defence communications system compliant with the European Secure SOftware defined Radio (ESSOR) and Software Communication Architecture (SCA).

ESSOR contributes directly to solve a critical shortfall of the European defence forces by enabling secure and interoperable communication. ESSOR will improve the effectiveness and efficiency of coalition operations, such as Common Security and Defence Policy (CSDP) ones, for the land, air and information superiority domains. It will leverage on the unique expertise of all the European tactical radio manufacturers to develop state-of-the-art concepts to build up a complete set of capabilities satisfying the most stringent, modern and future proof communication requirements. By promoting standards for multinational interoperability and being deployable in a plurality of radios, the action contributes to European inclusiveness and fosters the European Defence Technological and Industrial Base (EDTIB) on a long term basis.

Related PESCO project: European Secure Software defined Radio (ESSOR)

WHY IT RECEIVED THE DIRECT AWARD:

ESSOR will contribute to increased interoperability. European competitiveness will be enhanced through the availability of several European providers of tactical radios, encompassing common waveforms ensuring interoperability between armed forces of Member States. The action is a strategic enabler of European defence: complete communication capabilities are critical assets. When accessible, shared and used by all Member States, they will achieve an unprecedented optimization and effectiveness of the joint operations.