

A lot of exiting things are going on in and around IFAD these days. Based on that we are issuing a new edition of our newsletter. The Newsletter will concentrate on current projects and the constant development our products are undergoing.

## CONTENT

Preamble	2
Project DART	2
INTS and the RDN	2
Further IRAS development	3
IRAS is spreading	3
IFAD is participating in a new NATO project (MSG-164)	3
Contact IFAD TS A/S	3



## New Projects

IFAD has in the past year or so been initiating new projects together with the Danish defence and Airbus D&S in Germany.

One of the projects is concerning developing and deploying a brand new concept in respect to F-16 simulators at Fighter Wing Skrydstrup (FW SKP). The project is named Deployable Advanced Readiness Trainer (DART), see below.

For a number of years Airbus D&S has utilized the IFAD developed radio-simulation solution IRAS. In a new project between IFAD and Airbus D&S a new generation of IRAS is being integrated into the Eurofighter simulators.

This also covers some project related developments on the IRAS solutions and a deployment of the IRAS solution to Bundeswehr in Germany.

Besides this we are also in a continuous collaboration with the Royal Danish Navy (RDN) on upgrading and expanding the uses of the INTS instructor station and the INTS solution in general.

Besides that we are also doing upgrades on the F-INSTR and iFACTS solutions to the Royal Danish Army. This is in special relations to the DART-project (See more below).



## Project DART

IFAD was during the last quarter of 2016 contacted by the Danish Defence Acquisition and Logistic Organisation (DALO). DALO wanted IFAD to initiate a new project on developing a new F-16 simulator capability at Fighter Wing Skrydstrup (FW SKP). This new simulator capability will support the F-16 pilots in their requirement for simulator training during the transition phase between the F-16 and the F-35. Also it will maintain the pilots operational status until the transition has concluded and the F-16 is completely phased out of the RDAF.

The current status on the project is that the delivery covers 2-4 F-16 ACT simulators, 2 F-Instructors stations (F-INSTR) and 2 FAC/JTAC (IFACTS) trainers. The F-16 SIMs are provided from a subcontractor to IFAD.

This enables the pilots to train the usage of their targeting pod and precision guided munitions in collaboration with the operational JTACs.

The project is estimated to finish by the end of 2018. At which stage the combined capability will be handed over to DALO and FW SKP.



## INTS and the RDN

IFAD has by the RDN been tasked to do a complete update of Instructor facility in INTS. INTS is the tactical naval training solution for navies. This is a very comprehensive update which among other things includes a complete update of the Human Machine Interphase (HMI). Furthermore updates of specific protocols, radars etc. will be done as well.



## Further IRAS development

IRAS, which are our radio simulation and radio procedure trainer solutions, is continuously being updated.

During the past year we have begun developing degradation to the simulated performance of the radio transmissions based on terrain and weather.

Furthermore one more radio has been added to the simulated/emulated radio library, the SAIL-OR6222. This is a commercial Global Maritime Distress and Safety System-radio (GMDSS). All the important functions such as voice communication, squelch, dual watch, Digital Selective Call (DSC) calls and replay have been simulated. The exchange of DCS-messages have been simulated very realistically with different types of DSC-sessions.



## IRAS is spreading

Once again in 2017 IRAS has made an impression around the world.

Based on that we have accomplished to sell IRAS in different configurations to:

- STElectronics in Singapore





- Airbus D&S in Germany
- A very large Customer in the UK

Besides that we can mention that our IRAS Trainer currently is undergoing tests in USA. The IRAS Trainer is being tested by a very large manufacturer of military radios that potentially is interested in acquiring the training system and bring it out together with their own products in order to support their customers training requirements. We of course welcome this great opportunity.

### **IFAD is participating in a new NATO project (MSG-164)**

DALO has awarded a contract to IFAD aimed at the participation of IFAD in the NATO MSG-164 project.

The NATO MSG-164 project "Modelling and Simulation as a Service, MSaaS" has the purpose to develop and test a concept for identifying and integrating cloud based simulation services. In addition to this it aims at achieving seamless connection and interoperability in relations to distributed training across the three services. The incentive for awarding the contract to IFAD was among other merits, IFADs previous participation in former NATO MSG-projects (MSG-106 and MSG-136). On the basis of MSG-106 IFAD was awarded a NATO Scientific Award (NSA).



Picture taken at award ceremony in Odense.

The argumentation for awarding the NSA is among other things:

*"In recognition of the outstanding work and significant contribution, we hereby present the 2016 Science and Technology Scientific Achievement Award."*

Here at IFAD we are of course very proud and happy to receive such an honour and we are looking forward to participating in future NATO projects in collaboration with Danish Defence.

### **Contact IFAD TS A/S**

Representatives from the user community are always welcome to contact us in respect to idea development and proposals for improvements to all our products.

You are also very welcome to reach out if you have ideas to this newsletters contents.

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