






Location & date of tests	Bucharest, RO, MoD location, 22.11 2018
Participants	Ro MoD, Agro-Ind Management SRL, LuxGovSat SA Luxemburg
Setup	3 x 2.4m Flyaway VSAT Mobile Terminal (Ro-MoD owned) 2 x CD 141 (Ro-MoD owned) 2 x MIU SIP boards (Leonardo, IT owned)
Satellite	GOVSAT-1 at 21.5 E → X1 Beam/Global Beam
Engineering team	Agro-Ind Management SRL
Test activities	<ol style="list-style-type: none"> 1. Test 1. Different throughput scenarios for different bandwidth allocation on the two beams (X1/Global) 2. Test 2. ATM CD 141 connection over IP through MIU SIP board
Tx plan and carrier details	Confidential
Detailed setup	<p>a. VSAT 2.4m dual band (X-band, Ku-band) system 2,4 m Sat-Lite Tech antenna, 100W Advantech Wireless X-band SSPB, Swedish Microwaves X Band LNB, Comtech SLM 5650A modem with Network Processor Card in bridge mode</p> <p>b. 2x CD 141 (Leonardo, Italy) → ATM commutation device for tactical communications CD 141 configuration: → MIU SIP board, EFTBCU 5.204 board, MIU H (set as LOCAL) board, ANL board, 55V converter board</p>
Link details	Confidential
Test descriptions and details	On 29.11 .2018, AIM-AT with LuxGovSat has successful tested in a Romanian Ministry of Defence location, based on different scenarios, the capabilities and the interoperability with legacy communication equipment of the RO-MoD VSATs on X band on GovSat-1 Satellite, achieving 45 Mbps max throughput.
Test Conclusions	Testing successful
Diagrams for the link scenarios	Confidential
Plots for the link scenarios	Confidential
Setup equipment data sheets	<p>Annexes - equipment technical specifications</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  2421-Agilis-850-0033-6.pdf </div> <div style="text-align: center;">  ds-SLM5650A.pdf </div> <div style="text-align: center;">  LNB X-Band-Swedish_Micr </div> <div style="text-align: center;">  PB-SSPBMg-2G-X-80 W-100W-125W-18134 </div> <div style="text-align: center;">  AIM_flyer_2.4_2018.pdf </div> </div>
Date of Report / Prepared by	Bucharest, 29.11.2018 Agro-Ind Management SRL