

## SUMMARY TABLE FOR ALL PLANNED SCYLIGHT WORKPLAN ACTIVITIES

Activity Ref.	Title	Cost	Classification	Cost (K€) (Baseline)	Cost (K€) (Request)	Proc. Policy	Intended ITT issue quarter / intended ITT issue week	Closing date ITT	ITT (re-)issued	Status comment	originally approved
SL.002	Optical technologies for next generation optical inter-satellite links	500	B	500	0	C			Y	proposed for cancellation	2017
SL.003	Optical communications for scientific missions and the Moon village	250	R	0	250	C	n/a				2017
SL.004	Guidelines for the safe use of laser technology (re-issue)	150	B	150	0	C			Y	proposed for cancellation	2017
SL.005	Atmospheric monitoring to assess the availability of optical links through the atmosphere (ATMMON) (re-issue)	2,000	B	2,000	0	C		01/11/19	Y		2017
SL.006	Uninterrupted handover for optical earth-space links using site diversity	150	B	150	0	C			Y	proposed for cancellation	2017
SL.007	Assessment of analogue optical links through the atmosphere	800	B	800	0	C	4Q 2019				2017
SL.008	Space assessment of optical amplitude modulators	500	R	0	500	C	n/a				2017
SL.011	Quantum key distribution protocols for space applications (*) ( <i>initiation requested by AT</i> )	200	B	200	0	C			Y	negotiation	2017
SL.012	Space qualified faint pulse laser source for quantum key distribution	1,300	R	0	1,300	C	n/a			proposed for cancellation	2017
SL.013	Assessment of reliable high data rate optical links under strong atmospheric turbulence conditions	200	B	200	0	C		25/10/19	Y		2018
SL.014	Fast switching for Optical Inter-Satellite Data Transmission and Ranging for Satellite Radionavigation Systems	1,000	B	1,000	0	C		28/10/19	Y		2018
SL.015	Demonstration of reliable high data rate optical links under strong atmospheric turbulence conditions	1,800	B	1,800	0	C	2Q 2020				2018
SL.016	Photonic Lantern Receiver (**) (ARTES AT 5C.392)	550	B	550	0	C1		14/10/19	Y	issued under ARTES AT	2018
SL.017	Multiple Optical Receive System for a Single Optical Terminal (***) (ARTES AT 5C.385)	800	B	800	0	C			Y		2018
SL.018	Optical multiplexing for Wavelength Division Multiplexing (WDM) on optical communication terminals	300	B	300	0	C		19/01/20	Y		2018
SL.019	High-power optical beam combiner	250	B	250	0	C	4Q 2019				2018
SL.020	High Photon Efficiency (HPE) optical ground modem	850	R	0	850	C	n/a				2019
SL.021	High throughput Optical Network (HydRON)	490	B	490	0	C			Y	evaluation	2019
<b>TOTAL (k€)</b>		<b>12,090</b>		<b>9,190</b>	<b>2,900</b>						

(\*) R activity for which a request for initiation has been received.

(\*\*) These activities are part of the ARTES CC AT Workplan and the ARTES ScyLight Rolling Workplan. Funding can come from both programmes.

(\*\*\*) These activities are also part of the ARTES CC AT Workplan 2018, but included there as 'On Delegation Request'

Please note: **Baseline ( B )**: these activities will be automatically initiated.**On Delegation Request ( R )**: these activities will only be initiated on the explicit request of at least one delegation.