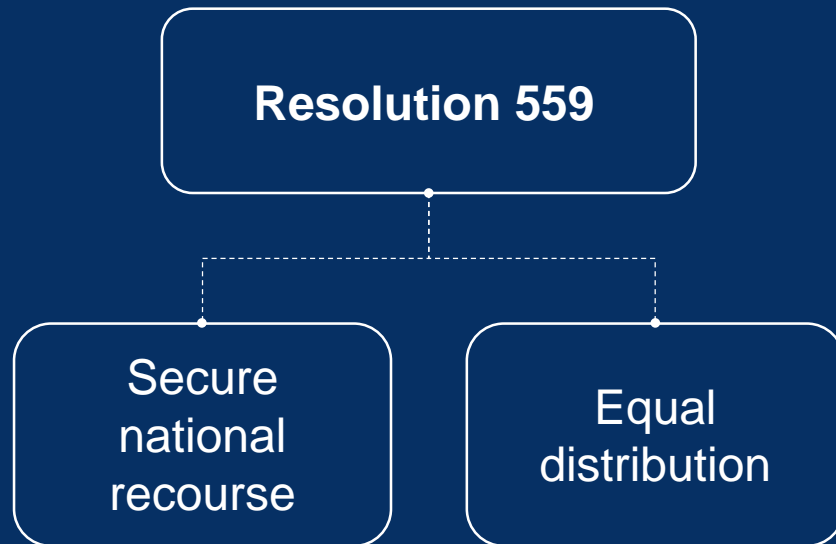


Developing a national satellite program: Background and considerations

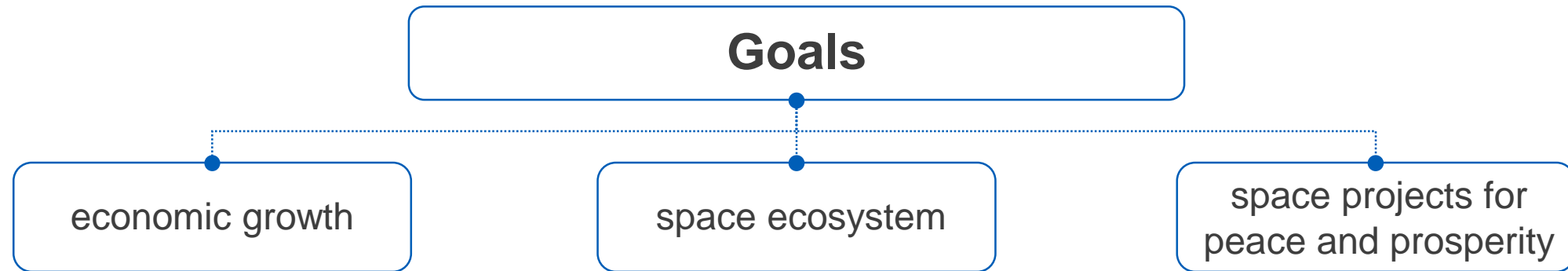
Ilkin ALIYEV

National resource on space



Proactive role of Azerbaijan on space programs

Karim Karimov: "Space is our future because the resources necessary for the humanity on Earth will disappear over time."



International
Astronautical Federation



ITU



UNOOSA

UNOOSA



Space Climate
Observatory



GSOA



ICESCO

Satellites

Telecommunication Satellites

Azerspace-1 46° East

Launched in 2013

C and Ku band



Azerspace-2 45°

Launched in 2018

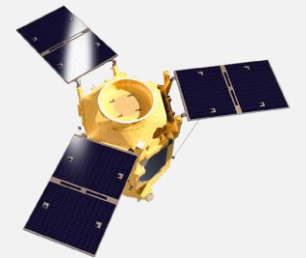
Ku band



Earth Observation Satellite

Azersky

Launched in 2014



46E orbital position belongs to Azerbaijan.



International arena



5400 attendees

132 countries

3600 abstracts

Azercosmos will hold **Space Agencies Leaders' Summit** as the part of COP29 event

International arena



420 attendees

40 countries

112 organizations



ITU WTDC will be held in Baku

Highlights



Azersky-2 satellite program



Azerspace-3 telecommunication satellite

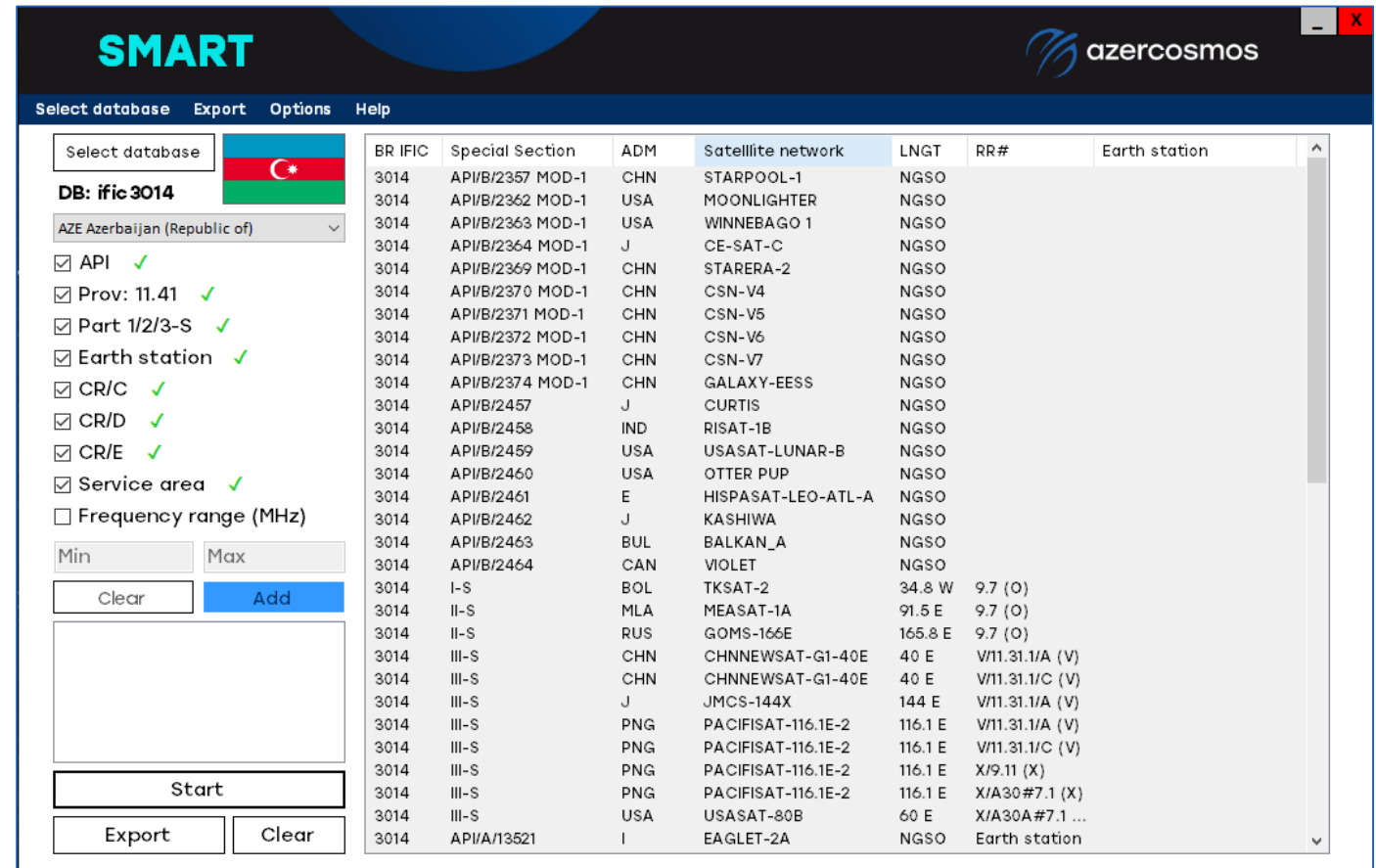


Satellite Design and Integration Center

Our products

SMART software – BR IFIC analyzer

- No need for any documents
- Not stuck in complexity
- Less time, less energy
- Time and resource efficiency
- Avoiding human errors
- Generating letters
- Automated Reporting



SMART azercosmos

Select database Export Options Help

Select database DB: ific 3014

AZE Azerbaijan (Republic of)

☒ API ☒ Prov: 11.41 ☒ Part 1/2/3-S ☒ Earth station ☒ CR/C ☒ CR/D ☒ CR/E ☒ Service area ☐ Frequency range (MHz)

Min Max

Clear Add

Start

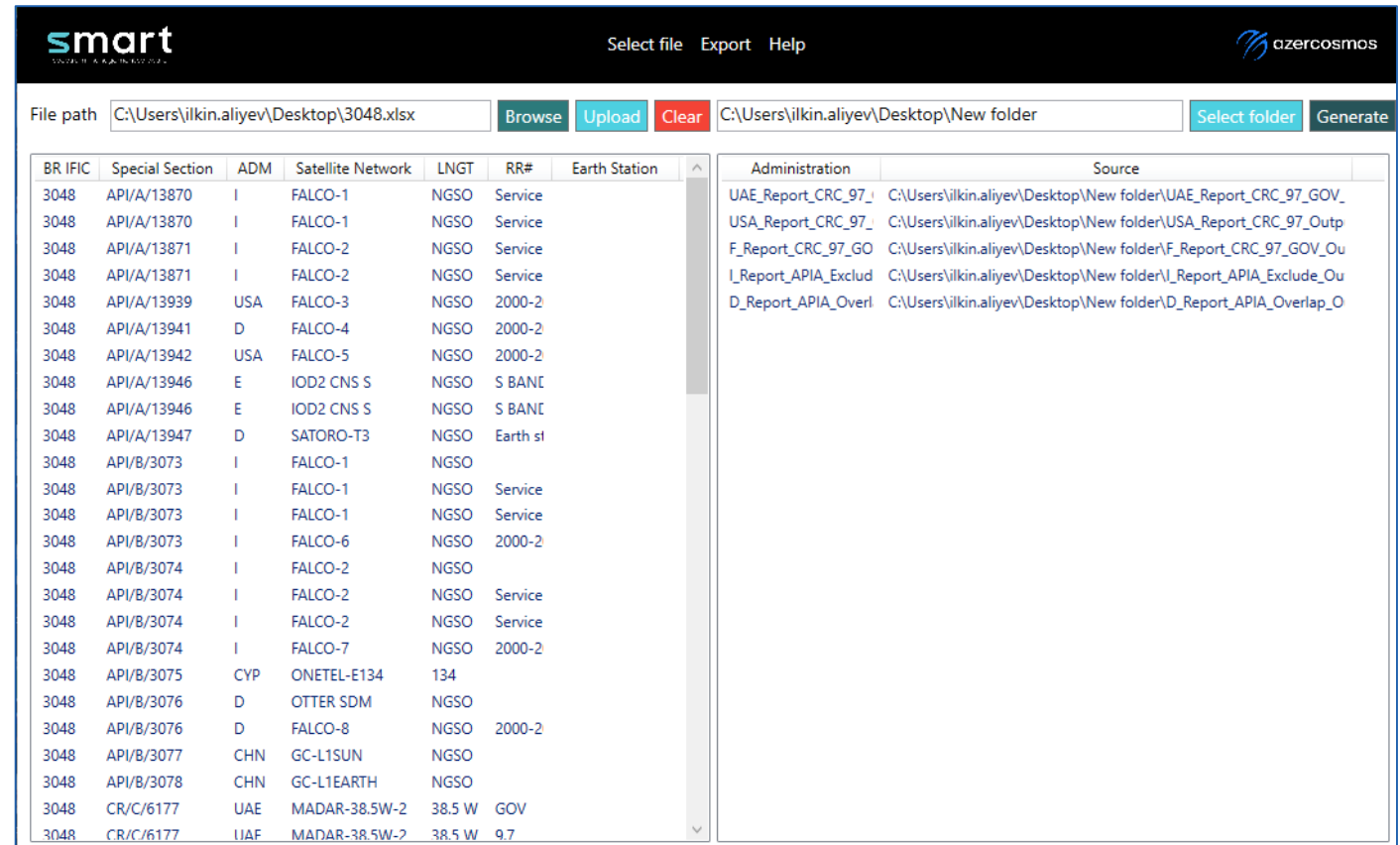
Export Clear

BR IFIC	Special Section	ADM	Satellite network	LNGL	RR#	Earth station
3014	API/B/2357 MOD-1	CHN	STARPOOL-1	NGSO		
3014	API/B/2362 MOD-1	USA	MOONLIGHTER	NGSO		
3014	API/B/2363 MOD-1	USA	WINNEBAGO 1	NGSO		
3014	API/B/2364 MOD-1	J	CE-SAT-C	NGSO		
3014	API/B/2369 MOD-1	CHN	STARERA-2	NGSO		
3014	API/B/2370 MOD-1	CHN	CSN-V4	NGSO		
3014	API/B/2371 MOD-1	CHN	CSN-V5	NGSO		
3014	API/B/2372 MOD-1	CHN	CSN-V6	NGSO		
3014	API/B/2373 MOD-1	CHN	CSN-V7	NGSO		
3014	API/B/2374 MOD-1	CHN	GALAXY-EESS	NGSO		
3014	API/B/2457	J	CURTIS	NGSO		
3014	API/B/2458	IND	RISAT-1B	NGSO		
3014	API/B/2459	USA	USASAT-LUNAR-B	NGSO		
3014	API/B/2460	USA	OTTER PUP	NGSO		
3014	API/B/2461	E	HISPASAT-LEO-ATL-A	NGSO		
3014	API/B/2462	J	KASHIWA	NGSO		
3014	API/B/2463	BUL	BALKAN_A	NGSO		
3014	API/B/2464	CAN	VIOLET	NGSO		
3014	I-S	BOL	TKSAT-2	34.8 W	9.7 (O)	
3014	II-S	MLA	MEASAT-1A	91.5 E	9.7 (O)	
3014	II-S	RUS	GOMS-166E	165.8 E	9.7 (O)	
3014	III-S	CHN	CHNNEWSAT-G1-40E	40 E	V/11.31.1/A (V)	
3014	III-S	CHN	CHNNEWSAT-G1-40E	40 E	V/11.31.1/C (V)	
3014	III-S	J	JMCS-144X	144 E	V/11.31.1/A (V)	
3014	III-S	PNG	PACIFISAT-116.1E-2	116.1 E	V/11.31.1/A (V)	
3014	III-S	PNG	PACIFISAT-116.1E-2	116.1 E	V/11.31.1/C (V)	
3014	III-S	PNG	PACIFISAT-116.1E-2	116.1 E	X/9.11 (X)	
3014	III-S	PNG	PACIFISAT-116.1E-2	116.1 E	X/A30#7.1 (X)	
3014	III-S	USA	USASAT-80B	60 E	X/A30A#7.1 ...	
3014	API/A/13521	I	EAGLET-2A	NGSO		Earth station

Our products

SMART software – Letter generator

- No manual formatting
- No template overload
- No repetitive typing
- Time and Resource Efficiency
- Consistent Documentation
- Regulatory Alignment
- Administrative Transparency
- Automated Letter Generation



The screenshot displays the SMART software interface. At the top, there is a header bar with the 'smart' logo, the text 'Select file Export Help', and the 'azercosmos' logo. Below the header, there is a 'File path' input field containing 'C:\Users\ilkin.aliyev\Desktop\3048.xlsx', with 'Browse', 'Upload', and 'Clear' buttons. To the right of the input field is a 'Select folder' button and a 'Generate' button. The main area of the interface is a table with the following columns: BR IFIC, Special Section, ADM, Satellite Network, LGNT, RR#, and Earth Station. The table contains 30 rows of data. To the right of the table, there is a panel with two columns: 'Administration' and 'Source'. The 'Administration' column contains a list of report names, and the 'Source' column contains the corresponding file paths.

BR IFIC	Special Section	ADM	Satellite Network	LGNT	RR#	Earth Station
3048	API/A/13870	I	FALCO-1	NGSO	Service	
3048	API/A/13870	I	FALCO-1	NGSO	Service	
3048	API/A/13871	I	FALCO-2	NGSO	Service	
3048	API/A/13871	I	FALCO-2	NGSO	Service	
3048	API/A/13939	USA	FALCO-3	NGSO	2000-2	
3048	API/A/13941	D	FALCO-4	NGSO	2000-2	
3048	API/A/13942	USA	FALCO-5	NGSO	2000-2	
3048	API/A/13946	E	IOD2 CNS S	NGSO	S BANC	
3048	API/A/13946	E	IOD2 CNS S	NGSO	S BANC	
3048	API/A/13947	D	SATORO-T3	NGSO	Earth st	
3048	API/B/3073	I	FALCO-1	NGSO		
3048	API/B/3073	I	FALCO-1	NGSO	Service	
3048	API/B/3073	I	FALCO-1	NGSO	Service	
3048	API/B/3073	I	FALCO-6	NGSO	2000-2	
3048	API/B/3074	I	FALCO-2	NGSO		
3048	API/B/3074	I	FALCO-2	NGSO	Service	
3048	API/B/3074	I	FALCO-2	NGSO	Service	
3048	API/B/3074	I	FALCO-7	NGSO	2000-2	
3048	API/B/3075	CYP	ONETEL-E134	134		
3048	API/B/3076	D	OTTER SDM	NGSO		
3048	API/B/3076	D	FALCO-8	NGSO	2000-2	
3048	API/B/3077	CHN	GC-L1SUN	NGSO		
3048	API/B/3078	CHN	GC-L1EARTH	NGSO		
3048	CR/C/6177	UAE	MADAR-38.5W-2	38.5 W	GOV	
3048	CR/C/6177	UAE	MADAR-38.5W-2	38.5 W	9.7	

Our products

SMART software – Satellite Network Planning

- No scattered data
- No manual cross-checking
- No planning blind spots
- Time and Resource Efficiency
- Optimized Frequency Usage
- Enhanced Coordination Accuracy
- Strategic Network Planning
- Automated Reporting

The screenshot displays the SMART software interface for satellite network planning. The top bar includes the 'smart' logo, navigation links 'Select file', 'Export', and 'Help', and the 'azercosmos' logo. The main window is divided into a left sidebar and a right content area.

Left Sidebar:

- Select database** (button) and **Export** (button)
- Min. longitude** (dropdown menu) and **Max. longitude** (dropdown menu)
- Basic** and **Advanced** tabs
- Min. (MHz)** (input field) and **Max. (MHz)** (input field)
- Range** (dropdown menu) and **Start** (button)

Right Content Area:

- Selected database:** C:\Users\ilkin.aliyev\Desktop\srs3037\srs3037_part1of4.mdb
- Pages:** 1
- New** (button) and **Remove** (button)
- Table:** A table with 7 columns: ADM, Satellite network, LNGT, Protect date, Max DBIU, 10950-11000, and 11000-11050. The table contains 20 rows of satellite data.

Table Data:

ADM	Satellite network	LNGT	Protect date	Max DBIU	10950-11000	11000-11050
HOL	INTELSAT5A INDOC2	57	24-06-1992	02-08-1992	N	
USA	INTELSAT6 60E	60	29-10-1993	30-08-1992	N	N
IND	INSAT-2K (74)	74	05-09-1997	08-10-2000	N	N
TUR	TURKSAT-1C	50	26-04-1999	24-04-1999	N	
USA	INTELSAT6 62E	62	26-05-1999	25-01-2003	N	N
RUS	KUPON-1	55	05-06-2000	29-03-2002	N	
IND	INSAT-2K (83)	83	04-03-2003	08-10-2000	N	N
RUS	YAMAL-E3	81.75	28-01-2005	10-12-2005	N	
HOL	INTELSAT7 57E	57	02-02-2005	20-03-1999	N	N
TON	TONGASAT-H70	70	26-07-2005	27-10-2001	N	
USA	INTELSAT7 66E	66	24-10-2005	20-02-1999	N	N
HOL	INTELSAT8 57E	57	04-08-2006	24-11-2001	N	N
RUS	KUPON-1S	55	22-02-2008	06-01-2005	N	
IND	INSAT-EK83R	83	04-03-2008	23-04-2005	N	
RUS	INTERSPUTNIK-75E-Q	75	27-05-2008	07-09-2005	C	
IND	INSAT-EK74R	74	06-06-2008	23-04-2005	N	
IND	INSAT-EK55R	55	24-06-2008	23-04-2005	N	
TUR	TURKSAT-K3	50	05-05-2009	14-10-2006	N	
USA	INTELSAT8 60E	60	08-10-2009	19-04-2003	N	N
USA	INTELSAT9 62E	62	10-11-2009	28-07-2007	N	N
USA	INTELSAT9 60E	60	20-11-2009	28-07-2007	N	N

UNDER TESTING (Red diagonal watermark text)

Thank you!

Contact

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