GIMS V2 - a Tailored Tool

STAR SPACE WING

Jack Worthy, 45th SCS/COMM GIMS Manager Richard Naus, GIS Manager, Titan Patrick AFB





- 45th Space Wing
- History of GIMS
- Architecture
- Changing data to the Communication Mission Data Set (CMDS)
- Tailored Toolbar
- Advantages



Patrick Air Force Base





Home of the 45 SW Headquarters

GIMS V2 a tailored tool

Cape Canaveral Air Force Station





- 20 miles north of Patrick AFB
- Point of origin for Eastern Range launches

GIMS V2 a tailored tool



45th Space Wing Manages Eastern Range

Argentia (Newfoundland)

Cape Canaveral Air Force Station Patrick Air Force Base Malabar Transmitter Annex Jonathan Dickinson Tracking Annex

Antigua Auxiliary Airfield

Ascension Auxiliary Airfield

GIMS V2 a tailored tool

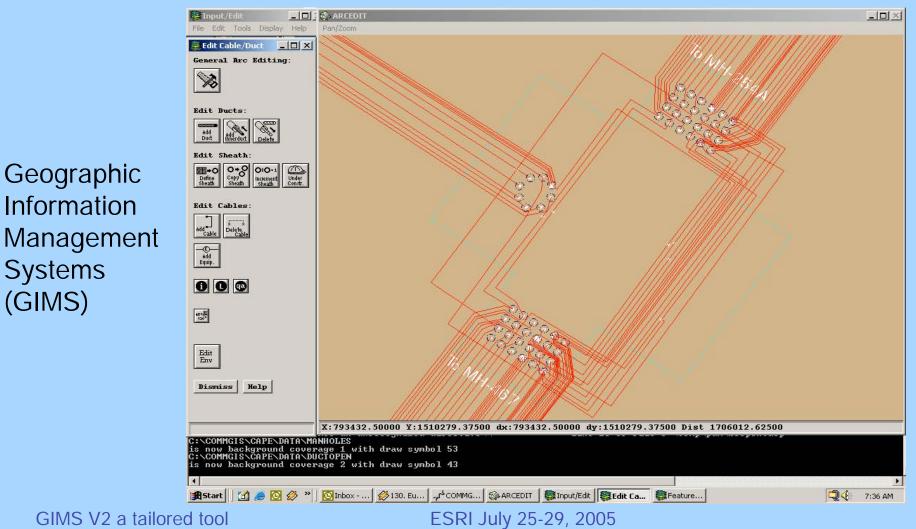


Systems

(GIMS)

GIMS Editor

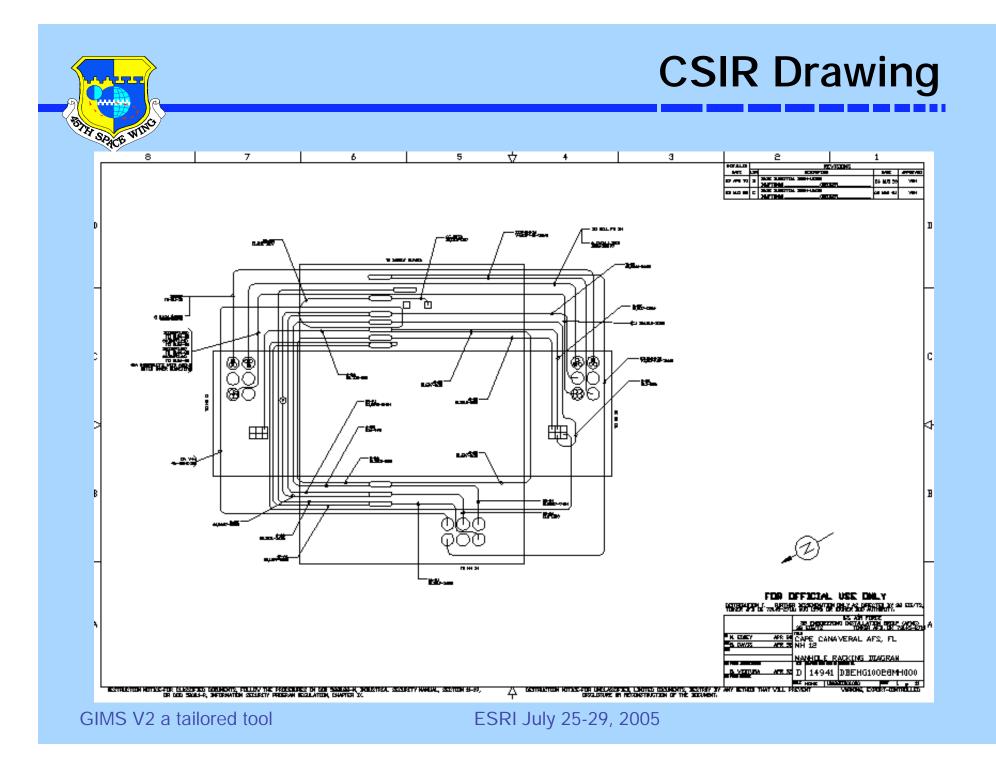
GIMS editor was created using Arc/INFO 7.0







- In 1996, GIMS V1 was created using Arc/INFO 7.0
- 2000 the Outside Cable Plant data collection from CSIR drawings and GeoReferenced using GPS data was completed



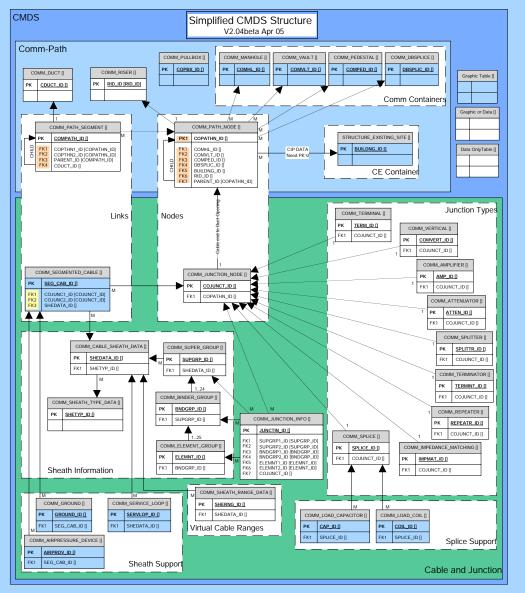
Communications Mission Data Set



- The 38th Engineering Installation Group (EIG) are the keepers of communications for the USAF
- The 38th EIG has developed the CMDS standards to be used though out the Air Force



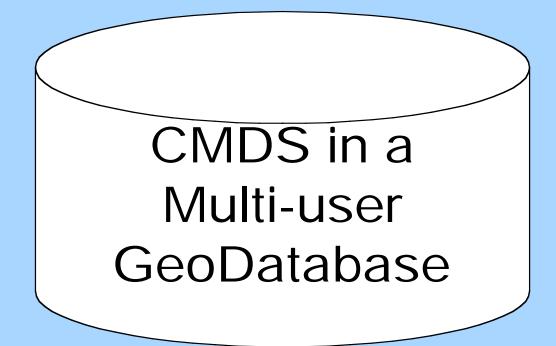
CMDS data flow diagram



GIMS V2 a tailored tool







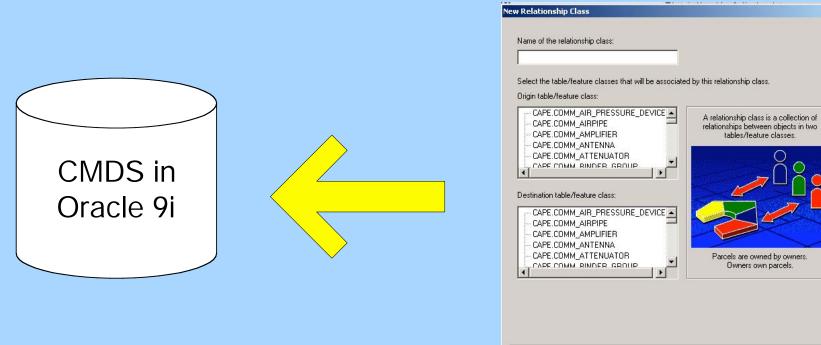
GIMS V2 a tailored tool



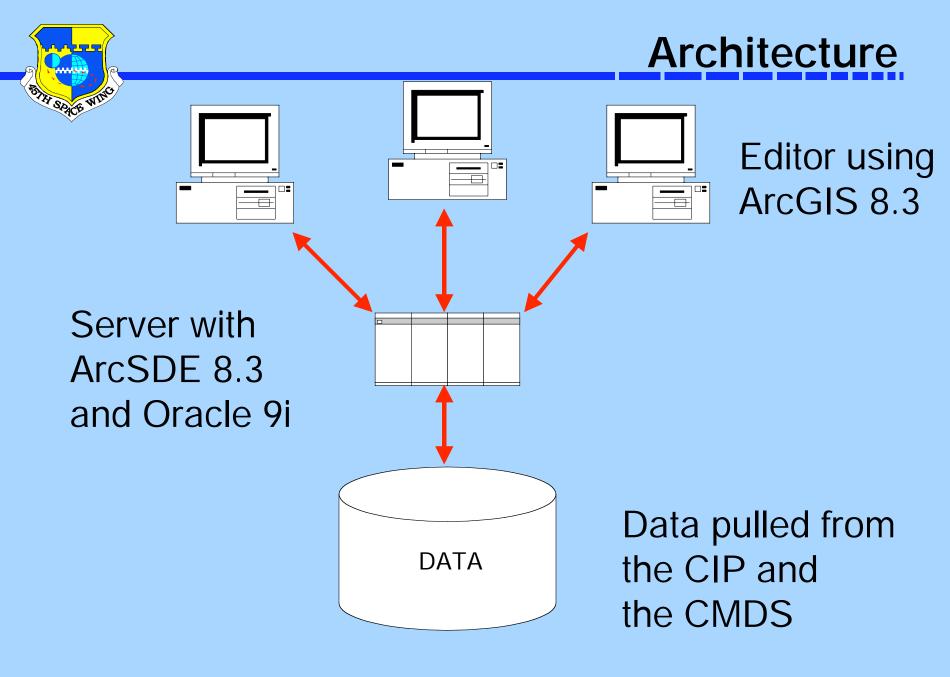
Database

? ×

Cancel



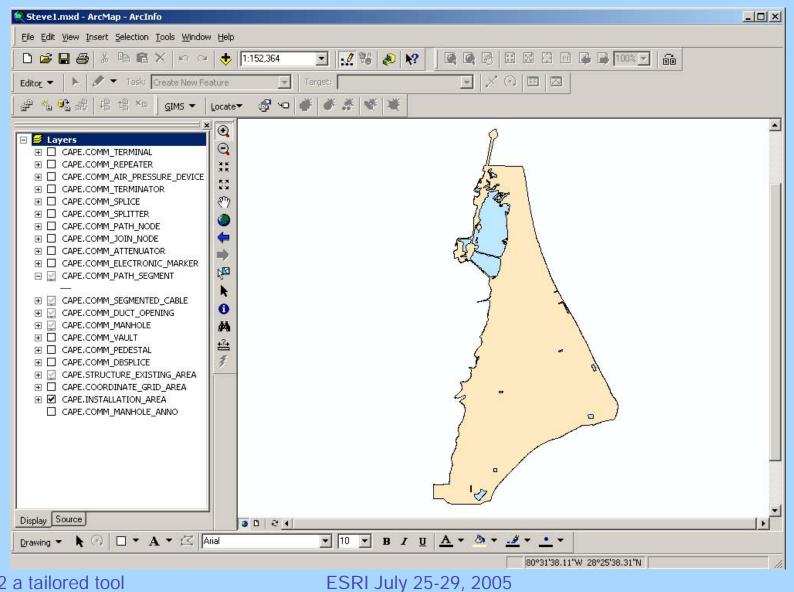
GIMS V2 a tailored tool



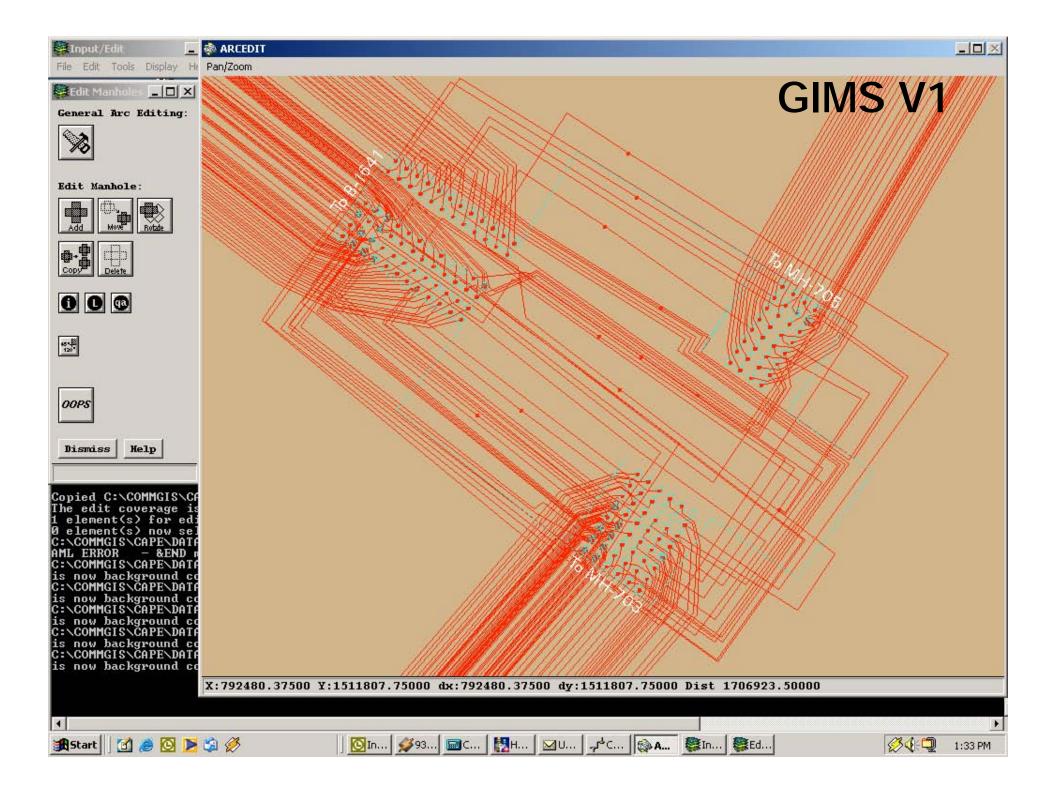
GIMS V2 a tailored tool

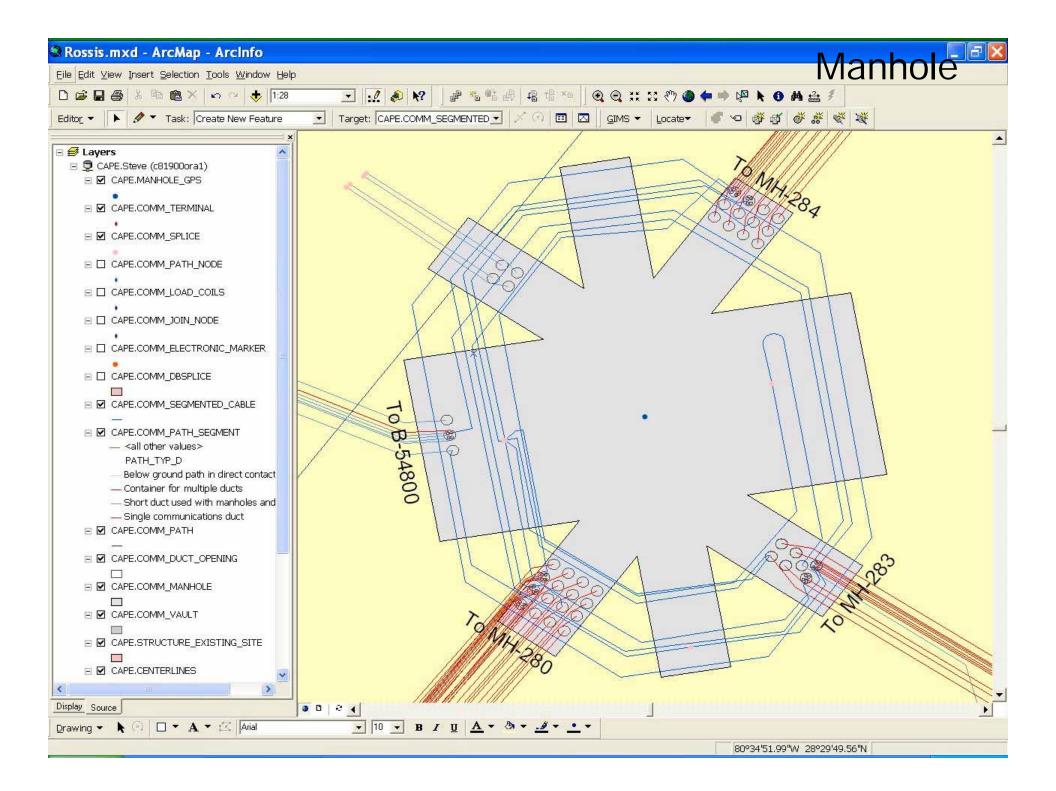


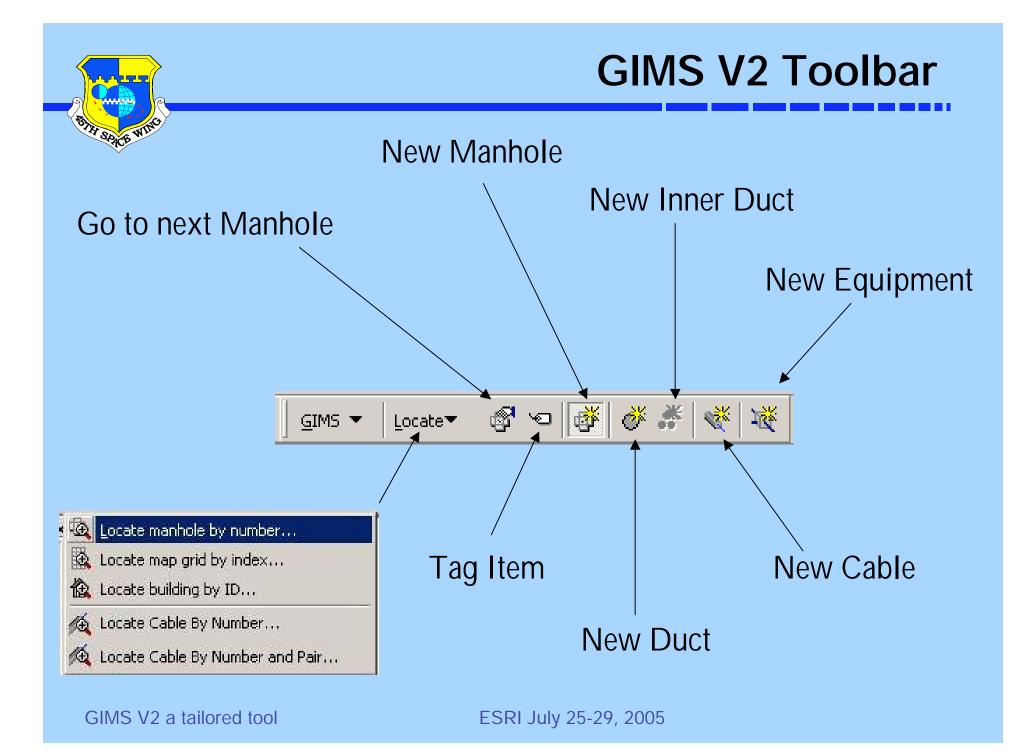
GIMS V2



GIMS V2 a tailored tool







			>
		252	
<u> </u>			R
TI	Spin	WIN	ઝ્રૅ
	-40		

New Ducts

General Size/Shape Contents Manufacturer	General							
	Status: Material:	Permanent To Be Determined	~	In the second secon	Size/Shape	-	Size: 4"	?
	Flap:	PFA Teflon-lined plastic polyethylene polystyrene Polypropylene-lined steel precast		Contents Manufacturer	Style	00 1×2	1" 1.25" 2" 3" 1 <mark>4"</mark> 6"	
Help		PTFE Teflon-lined	Cancel		0000 1 × 4	© 2×1	2×2	
					2×3	0000 0000 2 x 4	3×1	~

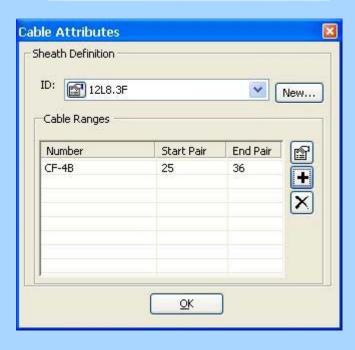
GIMS V2 a tailored tool

_N			R
-53	HSD	WI	jo)
	3.74	H.	

🦋 Create Shea	ath		? 🗙
General	General	2	
Composite Miscellaneous	Medium:	fiber optical	~
	Cable Material:	Fiber Optics Cable	~
	Core:	Filled Core	*
	Fill:	Gel Filled	*
	Insulation:	Plastic	~
	Buffer:	Loose Fill	~
	Capacity:	12	\$
	Gauge:	8.3	~
	Sheath Material	8.3 10	^
	Outer:	13 16	=
	Inner:	18	
		22	
Help			

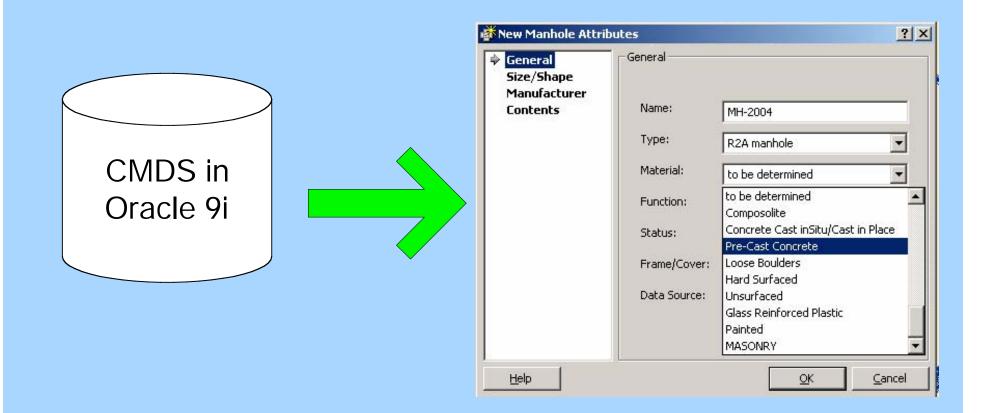
Cable Information

Number:	CF-4B	1.
Pair Coun	t	
223.23		End:
Start:		



GIMS V2 a tailored tool





GIMS V2 a tailored tool



- Uses the CMDS
- Standardized inputs
- Leverage the Geodatabase
 - Multi user functionality
 - Use of Oracle 9i
- More user friendly





- Multiple editors using versioning
- Reduction in production time
 Old GIMS average 45 minutes per MH
 - -GIMS V2 average 10 minutes per MH



Improved Collection

- Production and QC rates improved
- Five Techs worked on a project the final QC rate was 99.2%
- Complete a project in haft the time and collecting more data



SPACE WING