

IGS/EOP format

version 2

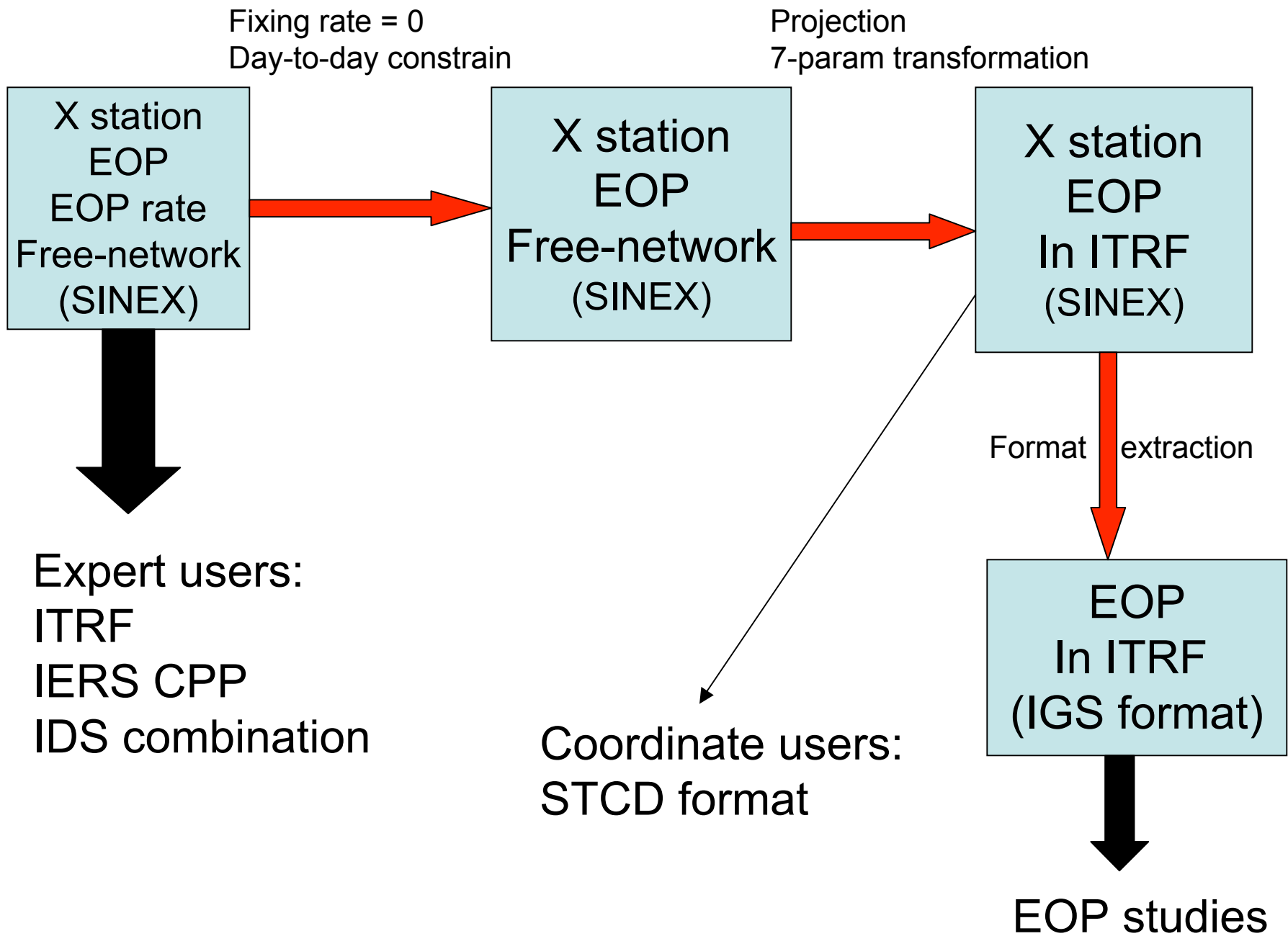
```
MJD XPole Ypole UT1R-UTC LODR Xsg Ysg UTsg LOsg Nr Nf Nt Xrt Yrt
Xrtsg Yrtsg XYCor XUTCOr YUTCOr
10**-6" 10**-6" .1us .1us/d 10**-6" .1us .1us/d 10**-6"/d 10**-6"/d
48990.50 206328 351483 552900 26358 2535 1684 0 50479 0 0 0 1158 -5919
6572 7555 0.171 0.041 0.008
48991.50 210236 347856 525662 25081 2454 1553 0 49931 0 0 0 -3908 618
6293 7251 0.148 0.027 -0.004
```

SINEX

```
%=SNX 1.00 IGN 03:025:11405 IGN 02:309:75600 02:311:10800 D 00138 2 X E
+FILE/COMMENT
...
-FILE/COMMENT
+SITE/ID
ambt A 91401S003 D AMSTERDAM 2 77 34 16.9 -37 47 54.9 59.9
areb A 42202S006 D AREQUIPA 288 30 25.2 -16 27 56.8 2491.6

+SITE/ANTENNA
ambt A ---- D 02:307:00000 02:313:99900 STAREC 999
areb A ---- D 02:307:00000 02:313:99900 STAREC 999
...
+SITE/GPS_PHASE_CENTER
ALCATEL 999 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 NONE
ALCATEL 999 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 NONE
...
-SITE/GPS_PHASE_CENTER
+SOLUTION/STATISTICS
...
- SOLUTION/STATISTICS
+SOLUTION/EPOCH
ambt A ---- D 02:307:00000 02:313:99900 02:310:43200
areb A ---- D 02:307:00000 02:313:99900 02:310:43200
...
-SOLUTION/EPOCH
+SOLUTION/ESTIMATE
1 STAX amtb A ---- 02:310:43200 m 2 1.08606293160776e+06 1.86567e-02
2 STAY amtb A ---- 02:310:43200 m 2 4.92794853683994e+06 1.41477e-02
3 STAZ amtb A ---- 02:310:43200 m 2 -3.88783996047926e+06 2.17646e-02
...
-SOLUTION/ESTIMATE
+SOLUTION/MATRIX_ESTIMATE L COVA
1 1 3.48073279439464e-04
2 1 -3.09454568579908e-05 2.00158779222685e-04
3 1 1.20506373880622e-05 4.12169491057920e-05 4.73697193232876e-04
.....
-SOLUTION/MATRIX_ESTIMATE L COVA
```

Format	TRF	Categories of users		
		EOP analysis: IERS EOP PC, others)	Combinations: ITRF20005, IERS CPP, IDS combination	Producers: IDS Analysis Centers IDS Combination
SINEX (full covariance matrix)	Free-network Loose constrains	Too complex. Not used.	What is used.	Cannot provide direct EOP results. Without precautions additional parameters seem to degrade results
IGS format (tabulated)	ITRF	Easy to use.	Cannot be used (incomplete info)	Gives degraded results (estimated EOP rate, Test at 12:00 only)



CONCLUSIONS

- Need to confirm the exact request from users
- Investigate that the proposed solution is mathematically correct and investigate for other solutions - Problem is more general than DORIS (GGOS context?)
- Verify that all Acs could agree (technical feasibility)
- Adopt a decision for IDS (or for GGOS)