

Synchronizing Check Sheet

Island 1

Island 2

BAs in Island		
Contact Person / Phone #	/	/
SYNC'D Capacity / Load / Spin	/ /	/ /
MSSC		
Spinning Reserve > MSSC	(Yes/No)	(Yes/No)
On Conference Call establish the following:		
SYNC: Location / CB / Method	/ /	/ /
Tie Line / Limit for Sync	/	/
kV / Nominal +/- 2%	/ (Yes/No)	/ (Yes/No)
FREQ / 60 +/- 0.2 HZ	/ (Yes/No)	/ (Yes/No)
Concerns: Relaying / RAS / Auto Reclose	/	/
Additional Tie(s) / kV		
Unit on 0% Droop		
AGC Mode		
Confirm: Tie Line schedules Zeroed / System changes to be avoided in Islands during synchronizing - /		

RC Approval	Initials:	
	SYNC Time:	Parallel Time:

Establish additional ties ASAP

Load PU > 5% of online capacity notify RC

BAs must agree on scheduled interchange. Flow should be maintained near zero if only one tie line

As islands grow, AGC modes, reserves, tie line flows, etc., need to be reviewed with all BAs.

Rules of Thumb: 6 - 10 % change in load will change frequency by 1 HZ (Shed/Raise Pickup/Lower)

Typical transmission line Mvar production: 500 kV 2 MVar/mile; 345 kV 3/4 MVar/mile; 230 kV 1/3 MVar/mile

For Restoration Drill Use Only