DRAFT U.S. Module Assembly Responsibilities

FE ICs

Step	Responsible
Fab	LBL
Ship	LBL
Probe	LBL
Ship	LBL
Bump deposition	
Ship	
Inspection(bump yield)	
Ship	
Thin and metallize	LBL, if needed
Ship	LBL, if needed
Dice	LBL, if needed
Sort	LBL, if needed
Ship	LBL, if needed
Inspect	LBL, if needed

Detectors

Step	Responsible
Fab	New Mexico
Ship	New Mexico
Probe	New Mexico
Ship	New Mexico
Bump deposition	
Ship	
Inspection(bump yield)	
Ship	
Dice	
Sort	
Ship	
Inspect	

Flex Hybrid

Step	Responsible
Fab	Oklahoma
Inspect(in fab)	Oklahoma
Ship	Oklahoma
Cut(in fab)	Oklahoma
Ship	Oklahoma
Probe(in fab)	Albany
Ship	Albany
Mount components	Oklahoma
Ship	Oklahoma
Wire bond	LBL
Ship	LBL
Probe/burn-in	Albany, Oklahoma/LBL, if needed
Ship	Albany, Oklahoma/LBL, if needed

Optical Components

Step	Responsible
IC fab	Ohio
IC Ship	Ohio
IC Probe	Ohio
IC Ship	Ohio
IC thin	Ohio, LBL if needed
IC dice	Ohio, LBL if needed
IC Ship	Ohio, LBL if needed
Fiber fab	Ohio
Fiber ship	Ohio
Fiber inspect/test	Ohio
Package fab	Ohio
Package ship	Ohio
Package inspect/test	Ohio
Package ship	Ohio

Module Assembly

Step	Responsible
Flip chip/die	
Flip chip/module	
Ship	
Inspect	
Ship	
Probe bare module	LBL
Ship	LBL
Attach flex	LBL, others are TBD
Wire bond(with repair)	LBL, others are TBD
Attach pwr/optics	LBL, others are TBD
Ship	LBL, others are TBD
Test/burn in	Albany, UNM, OSU, UOK
Ship	Albany, UNM, OSU, UOK

Local Power Cabling

Step	Responsible
Fab	LBL
Inspect/Test	LBL
Ship	LBL

MCC ICs

Step	Responsible
Fab	
Ship	
Probe	
Ship	
Thin	LBL, if needed
Ship	LBL, if needed
Dice	LBL, if needed
Ship	LBL, if needed

Database

Step	Responsible
Requirements	LBL, New Mexico
Code development	LBL, New Mexico
Central hardware	
Code support	LBL