HYBRID WIREBONDING
(One technician)

Preparation (1min):
- Get hybrid from cabinet
- Take hybrid out of box
- Mount hybrid on wire bonding fixture
- Scan barcode and start database
- Drive fixture in

Bonding (7min 10sec):
- Do 5 bonds on P.A. test structures (45sec)
- Do bias bonds (1min)
- Check number of bonds made thus far and enter into database (15sec)
- Start bonding program and bond all signal wires (3-4 min, depending if and how fast eye points are found)
- Check that all bonds are there, if not, re-do missing bonds (1min)
- Remove hybrid from wire bonding fixture (10sec)

Post-bonding tasks (4min 35sec):
- Put hybrid under stereoscope and check bonds (30sec)
- Put hybrid on pull tester and pull test P.A. test structure bonds (1min 45sec)
- Put hybrid back into box and return to cabinet (20sec)
- Enter pull test results and all other information into database (2min)

Total time: 12min 45sec
HYBRID WIREBONDING
(with 2 technicians)

First Technician:

Preparation (20sec):
- Get hybrid from cabinet
- Take hybrid out of box and give to second technician

Second Technician:

Preparation (25sec):
- Mount hybrid on wire bonding fixture
- Drive fixture in

Bonding (7min 20sec):
- Do 5 bonds on P.A. test structures (45sec)
- Do bias bonds (1min)
- Check number of bonds made thus far and write it down (15sec)
- Start bonding program and bond all signal wires (3-4 min, depending if and how fast eye points are found)
- Check that all bonds are there, if not, re-do missing bonds (1min)
- Remove hybrid from wire bonding fixture (10sec)
- Give hybrid back to first technician (10 sec)

First Technician:

Post-bonding tasks (5min 20sec):
- Get hybrid from first technician (10sec)
- Take hybrid out of box (5sec)
- Put hybrid under stereoscope and check bonds (30sec)
- Put hybrid on pull tester and pull test P.A. test structure bonds (1min 45sec)
- Open database and scan barcode (30sec)
- Enter pull test results and all other information into database (2min)
- Put hybrid back into box and return to cabinet (20sec)

Total time: 7min 45sec