Gas-insulated switchgear
Factory Acceptance Test and Remote Factory Acceptance Test
Factory Acceptance Test (FAT)

Bringing you the best customer experience at our factory

1. Contact customer
   The project manager contacts the customer with FAT information and clarifies any questions regarding the procedure.

2. Fix date for FAT
   Decide on a date for FAT according to production schedule. Choose one of the FAT programs and agree on general program such as factory tour, meetings etc.

3. Make travel arrangements
   The project manager provides the customer with an invitation letter for visa application (where necessary). Travel information such as hotel recommendations is provided.

4. Welcome at ABB
   Pick-up usually takes place at ABB lobby. However, individual pick-up locations such as from the hotel/airport can be arranged together with the project manager.

5. Go to customer lounge
   The complete FAT takes place in our dedicated customer lounge through customized tools which stream all tests live from the testing areas.

6. Introduction to the FAT
   An introduction about the FAT program with detailed explanations about the testing procedure will be given, and provides possibility to clarify open questions.

7. Go to testing areas
   Customer views his product in its actual testing environment.

8. Factory tour (optional)
   The customer is welcomed to tour our state-of-the-art manufacturing facility.

9. Mechanical operation test
   Disconnectors, earthing switches and fast acting earthing switches are tested in the first sequence. Next, tests on switching operations of the circuit-breaker, operating times and travel curves are conducted.

10. High-voltage and partial discharge test
    One of the most important tests in GIS. High-voltage test and partial discharge test are performed together.

11. Control panel test
    The functional test on the switching devices will be performed via the local cubicle control (LCC). Interlocking, blockings, alarms and events present in the local cubicle panel (LCP) are reviewed.

12. Signing of protocols
    The final step of the FAT process is the elaboration of the testing protocol which capture all test results of the FAT. Signed by the project manager and the customer, the protocols confirm a successful FAT.

13. Discussion of next steps
    After the FAT is completed, topics regarding shipping, installation, service or others can be discussed.

14. Safe trip home
    ABB wishes the customer a safe trip home.
Remote Factory Acceptance Test (RFAT)

If you can’t come to us, we’ll bring the FAT to you

1. Contact customer
   The project manager contacts the customer with FAT information and clarifies any questions regarding the procedure.

2. Fix date for RFAT
   Decide on a date for RFAT according to production schedule.

3. Testing of connectivity
   The project manager provides the customer with an invitation e-mail including instructions to test the internet speed which is essential for the success of the RFAT.

4. Dial-in
   Project manager, test engineer and customer dial-in to the telephone conference before the RFAT starts. This ensures a stable audio connection.

5. Login
   Everyone log into the tool. At the start, the customer will have time to explore and familiarize with all functionalities of the tool.

6. Introduction to the RFAT
   An introduction about the RFAT program with detailed explanations about the testing procedure will be given, and provides possibility to clarify open questions.

7. Connect to testing areas
   The complete RFAT can be viewed online through our custom-made tool which will stream all tests live from the testing areas.

8. Mechanical operation test
   Disconectors, earthing switches and fast acting earthing switches are tested in the first sequence. Next, tests on switching operations of the circuit-breaker, operating times and travel curves are conducted.

9. High-voltage and partial discharge test
   One of the most important tests in GIS. High-voltage test and partial discharge test are performed together.

10. Control panel test
    The functional test on the switching devices will be performed via the local cubicle control (LCC). Interlocking, blockings, alarms and events present in the local cubicle panel (LCP) are reviewed.

11. Sending of protocols
    The final step of the RFAT process is the elaboration of the testing protocol which captures all test results of the RFAT. The testing protocols will be sent by e-mail to the customer.

12. Discussion of next steps
    After the RFAT is completed, topics regarding shipping, installation, service or others can be discussed.