The grace period state has 3 states displayed on status bar of Spider Client.

GREEN – there are neither problems with the license nor the connection to FLEXnet License Server. The grace period either didn’t start, or the grace period is before the ELAPSED respectively RESET signal

YELLOW – grace period, existing problems with license or connection to License Server

RED – the grace period has elapsed, the only possibility to go to GREEN state is to fix the problems

There is an internal verifier thread in Enigma, which runs every 60 minutes (default). First run of the verifier thread is delayed 10s after start of the consumer of Enigma (Spider, SpiderQC, SBC, …). The verifier thread checks if all active checkouts are at the moment possible. If there is some problems with the license or the connection to “FLEXnet License Server” is broken, the state should fall in grace period (yellow point). In Spider-client there is a grace period state on right side the status bar. Tooltip of the grace period state displays a timestamp, till the state is in grace period. After that will change the state to elapsed. The elapsed state will be leaved with the reset signal after 31 days(default) since the grace period begin.

At the begin of tests delete following registry entry:

HKEY\_CURRENT\_USER\Software\LEICA Geosystems\GSPID\_GNSS\GP

The feature cache is now empty, the is neither information about successful/failed checkouts, nor grace period.

Set the registry key Leica Geosystems\SpiderSuite\CLM\ReducedGracePeriod to 1, so the remaining seconds are set to 1hour and reset time to 2 hours, the period for the verifier thread is set to 1 minute.

Be sure, that you have a valid license and there is a connection to License Server.

All tests were done with File Products(feature "GSPID\_GNSS.SS.FPS.Site") of Site Server in Spider.

The verifier thread is also triggered immediately by activation/deactivation(checkout/checkin) of the site.

Notice, that the deactivation/checkin of the last checked out site (checked out count is 1) doesn’t trigger the verifier thread immediately, because the is no internal checkout.

1. Start Spider Server and Spider Client. The grace period state on the status bar of the client should be GREEN.
2. After 10s (first run of verifier thread), start sites a activate some sites. The number of activated sites should correspond to number in Client License Administrator Server for the above specified feature.
3. Stop the License Server
4. At latest in 1 minute (run of verifier thread) should change the grace period state to YELLOW. In tooltip of grace period state is the timestamp displayed, at which it will elapse. It should be in 1 hour, remember it. Calculate the reset time in 2 hours from now.
5. Start the License Server. Wait 1 minute. The state should be changed by verifier thread to GREEN. Check the checkouts in Client License Administrator Server. While there is a connection to License Server, the remaining seconds are not incremented, so the elapsed time stamp at the tooltip can shift to the future.
6. Stop the License server and immediately activate/checkout any site. The state should go immediately to YELLOW. Check the grace period state and compare to that from pt. 4.
7. Shut down Spider Client and Spider Server
8. Start Spider Server and Spider Client.The state should be YELLOW.
9. Wait at least 10 seconds, start License Server and immediately check out/check in any site. The state should become GREEN
10. Stop the License Server and checkout any site. Check the elapsed timestamp at the tooltip of the YELLOW grace period state.
11. Wait elapsed time. The state should change to RED. All sites will be stopped and the deactivated.
12. Start the License Server. Start all sites and activate any site. The state should change to GREEN. (Every next problem should lead to ELAPSED (RED) state)
13. Stop the License Server, check out any site, the state should become RED, the sites were deactivated-
14. Shutdown Spider Client and Spider Server
15. Start Spider Server and Spider Client. The state should be RED, all sites are stopped, except there is a dongle. In that case should be the state GREEN???
16. Shutdown Spider Client and Spider Server
17. Start License Service, Spider Server and Spider Client. The state should be GREEN. Start all sites if necessary.
18. Wait the reset signal, it comes 2 hours after the first failed checkout from pt. 4

Message Software license found again will be displayed.

1. Check in all sites, stop the License Server, check out any site. The new grace period should be started, the state is YELLOW. Check the elapse timestamp at the tooltip, it should be in 1 hour from now.