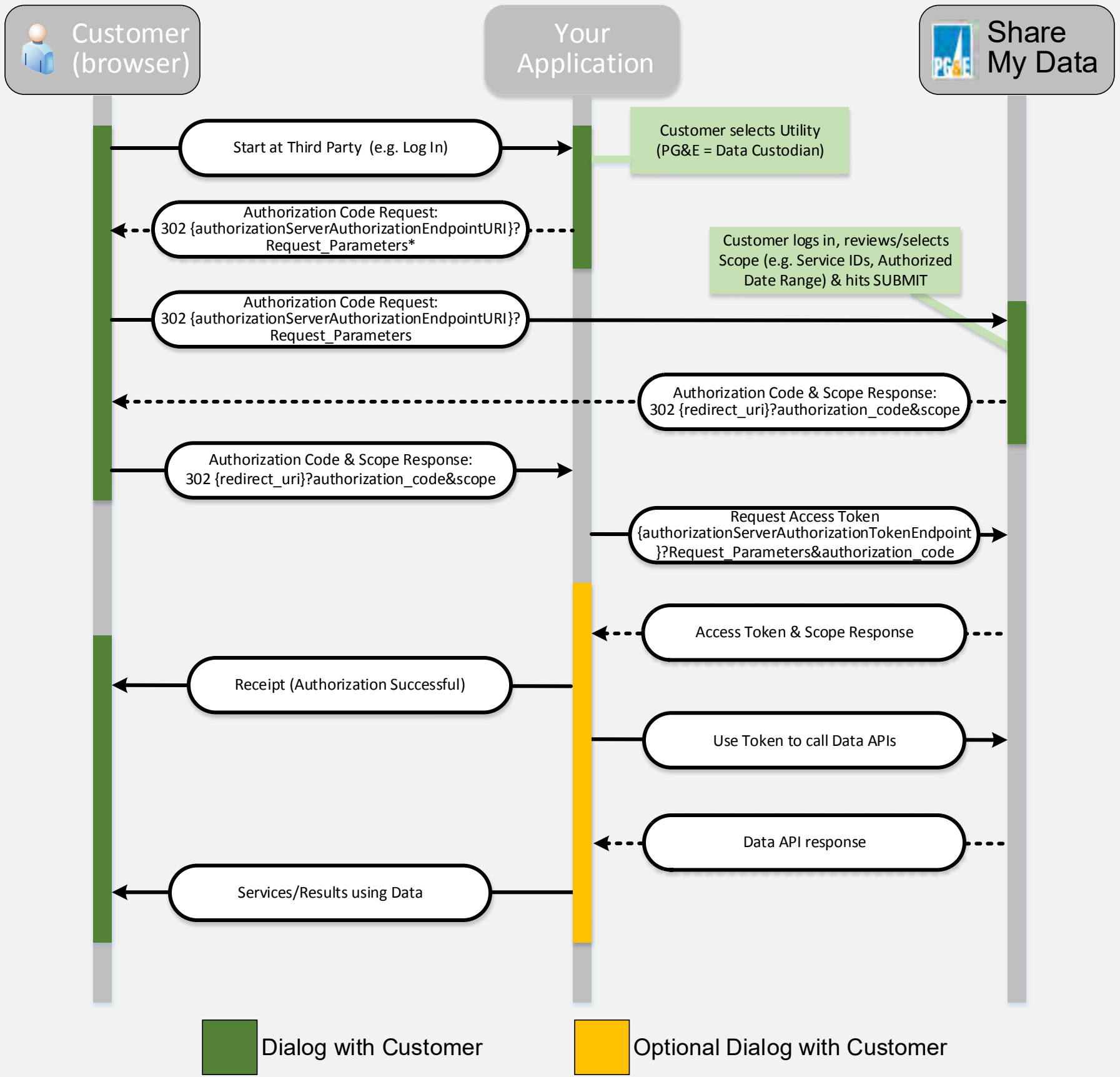
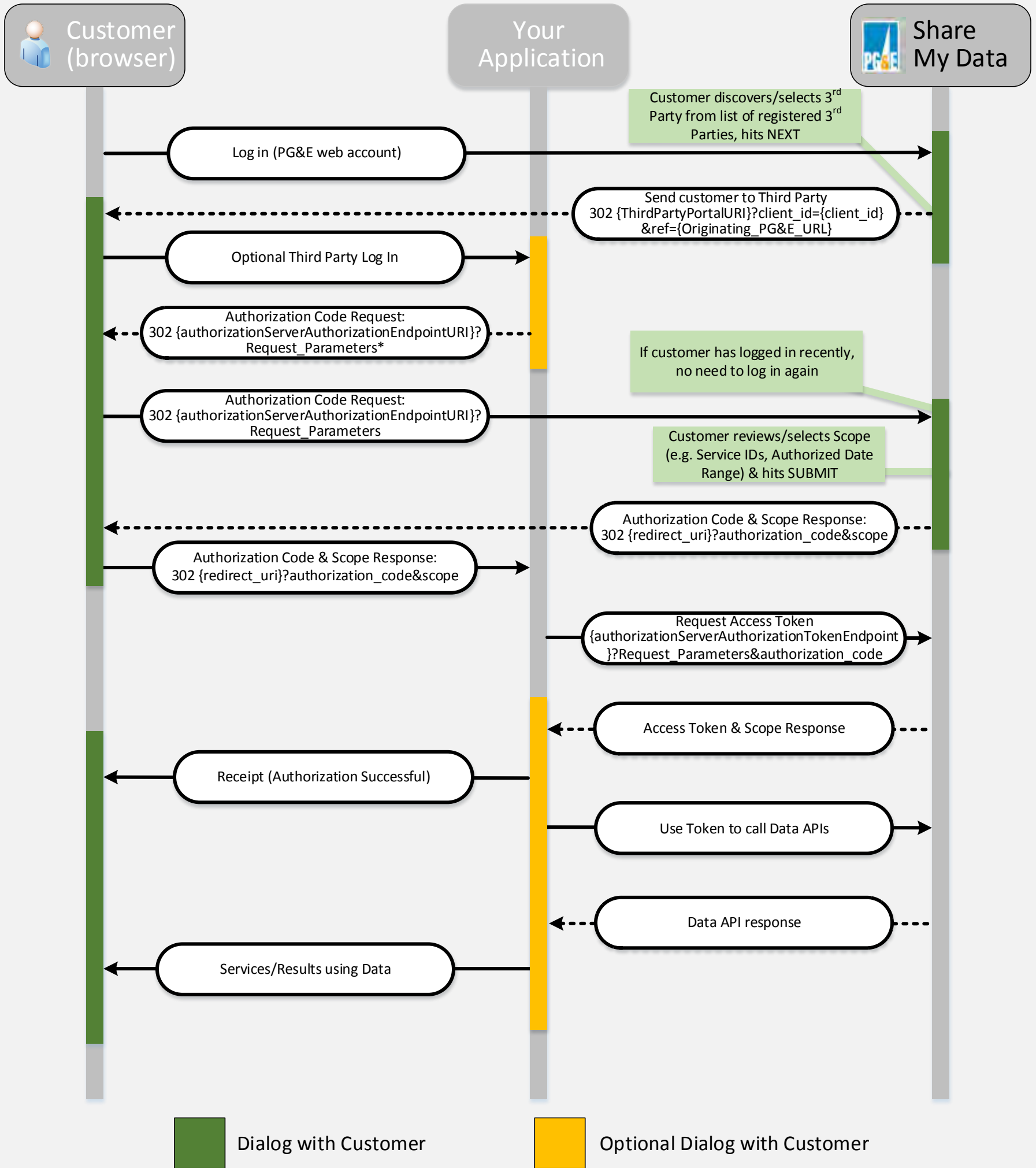


AUTHORIZATION INITIATED AT THIRD-PARTY SITE (High Level Overview)



*R24 Click Thru Ph3 enhancement allows defaulting to guest access tab on customer authentication page by redirecting with the following request parameter appended to redirect URL: "login=guest". All other values (e.g. no login parameter or login=blank) will default to MyAccount sign-in tab. For example: https://sharemydataqa.pge.com/myAuthorization?client_id=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX&response_type=code&redirect_uri=https://thirdpartyredirect.com&login=guest

AUTHORIZATION INITIATED AT PG&E (High Level Overview)

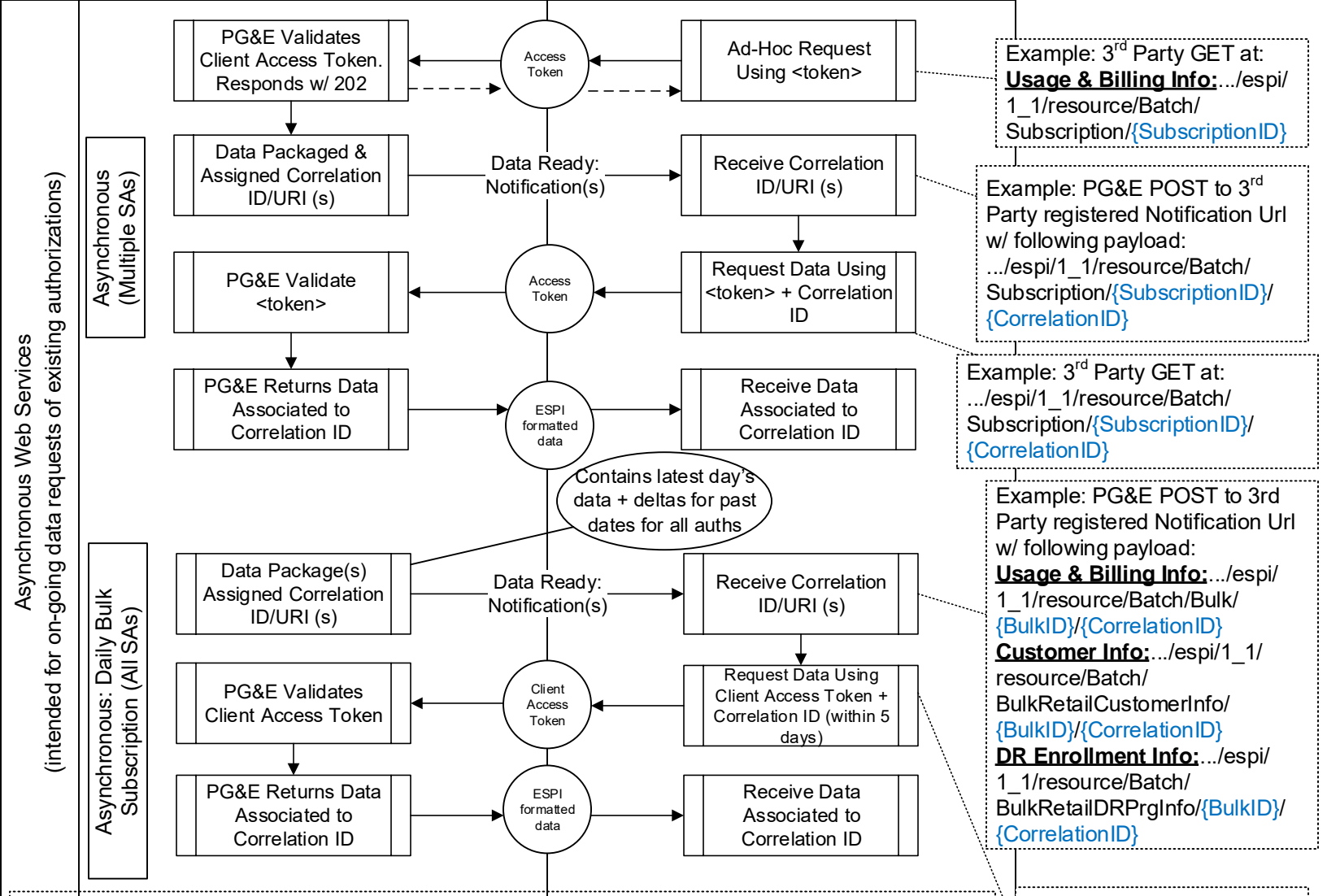
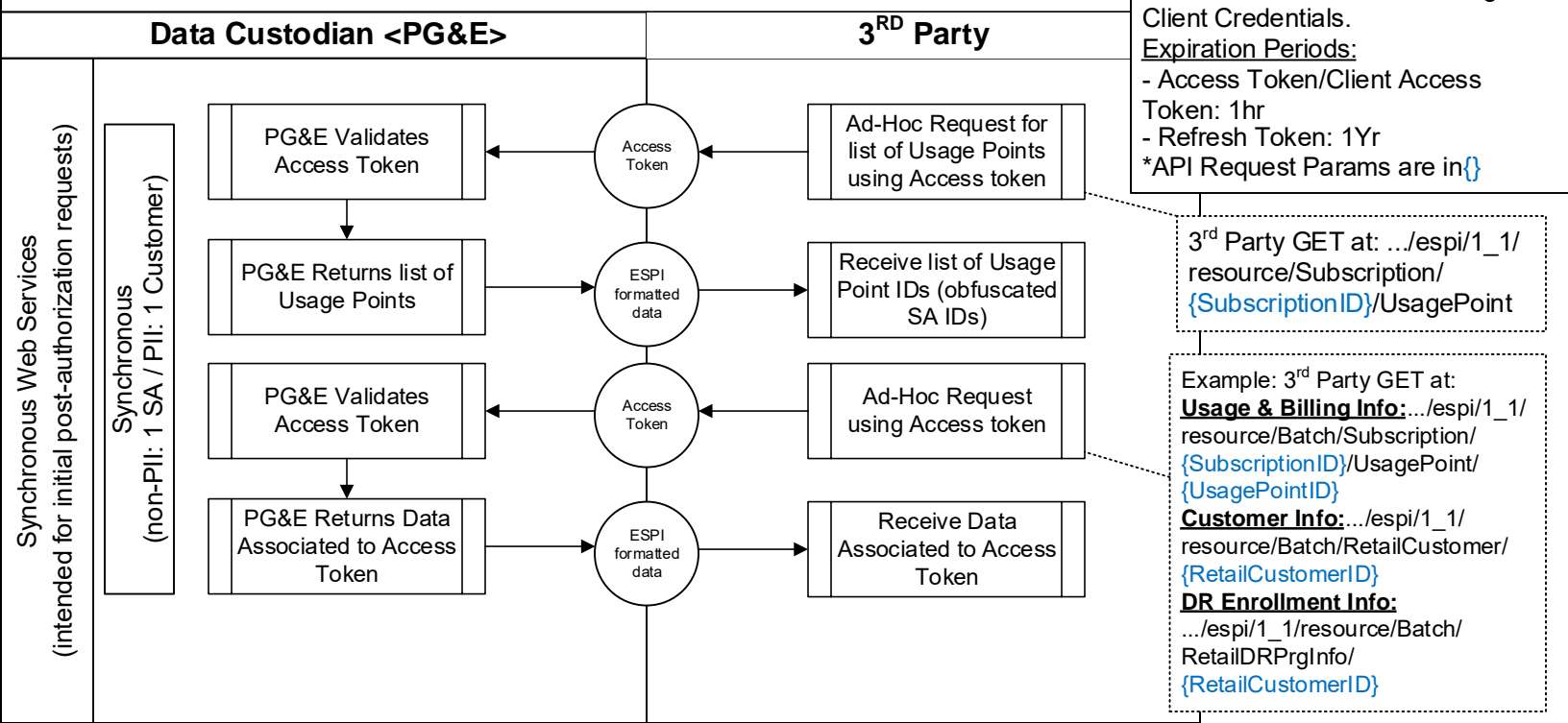


*R24 Click Thru Ph3 enhancement allows defaulting to guest access tab on customer authentication page by redirecting with the following request parameter appended to redirect URL: "login=guest". All other values (e.g. no login parameter or login=blank) will default to MyAccount sign-in tab. For example: https://sharemydataqa.pge.com/myAuthorization?client_id=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX&response_type=code&redirect_uri=https://thirdpartyredirect.com&login=guest

API Data Access*

(PGE API URL Prefix: <https://api.pge.com/GreenButtonConnect...>)

*Prior to all data request, 3P must first request new Access + Refresh Token pair using Refresh Token or new Client Access Token using Client Credentials.
Expiration Periods:
 - Access Token/Client Access Token: 1hr
 - Refresh Token: 1Yr
 *API Request Params are in {}



*Note: For requests of on-going data for existing authorizations, PG&E strongly advises using asynchronous API requests where possible. PG&E's SMD/Green Button Connect platform is a free service supporting millions of customers and hundreds of 3rd parties. Malicious or unintentional redundant API requests (especially synchronous ones) can potentially impact the 'click through' experience for new customer authorizations, may be throttled, and/or reported to appropriate regulatory bodies for abuse as appropriate and necessary.

Example 3rd Party GET at:
 .../espi/1_1/resource/Batch/Bulk/{BulkID}/{CorrelationID}

Customer Auth Revocations w/ PG&E (for re-authorizations):

(PGE API URL Prefix: <https://api.pge.com/GreenButtonConnect...>)

