Certainly! Let's create a comprehensive data mapping plan based on the combined schema for the SMART360 Consumer table:

Data Mapping Plan:

1. Consumer ID:

- Source: Consumer ID from ABC Utility Company's database.

- Target: Consumer ID in the SMART360 Consumer table.

2. Name:

- Source: Name from ABC Utility Company's database.

- Target: First Name and Last Name in the SMART360 Consumer table.

- Mapping: Split the Name field into First Name and Last Name.

3. Address:

- Source: Address from ABC Utility Company's database.

- Target: Address Line 1, Address Line 2, City, State, and Zip Code in the SMART360 Consumer table.

- Mapping: Parse the Address field and map its components to corresponding fields in the SMART360 Consumer table.

4. Contact Number:

- Source: Contact Number from ABC Utility Company's database.

- Target: Phone Number in the SMART360 Consumer table.

5. Email Address:

- Source: Email Address from ABC Utility Company's database.

- Target: Email Address in the SMART360 Consumer table.

6. Account Number:

- Source: Account Number from ABC Utility Company's database.

- Target: Account Number in the SMART360 Consumer table.

7. Meter Number:

- Source: Meter Number from ABC Utility Company's database.

- Target: Meter Number in the SMART360 Consumer table.

8. Tariff Plan:

- Source: Tariff Plan from ABC Utility Company's database.

- Target: Tariff Plan in the SMART360 Consumer table.

9. Consumption History:

- Source: Consumption History from ABC Utility Company's database.

- Target: Consumption History in the SMART360 Consumer table.

10. Payment Status:

- Source: Payment Status from ABC Utility Company's database.

- Target: Payment Status in the SMART360 Consumer table.

Mapping Notes:

- Consumer ID, Name, Address, Contact Number, and Email Address are straightforward mappings from the source to the target.

- Account Number, Meter Number, Tariff Plan, Consumption History, and Payment Status are additional fields in the SMART360 Consumer table.

- Data transformation may be required for certain fields, such as splitting the Name field into First Name and Last Name, and parsing the Address field into its components.

- Ensure data consistency and integrity throughout the mapping process.

By following this data mapping plan, we can ensure that all relevant consumer data from ABC Utility Company's databases is accurately mapped and integrated into the SMART360 platform.