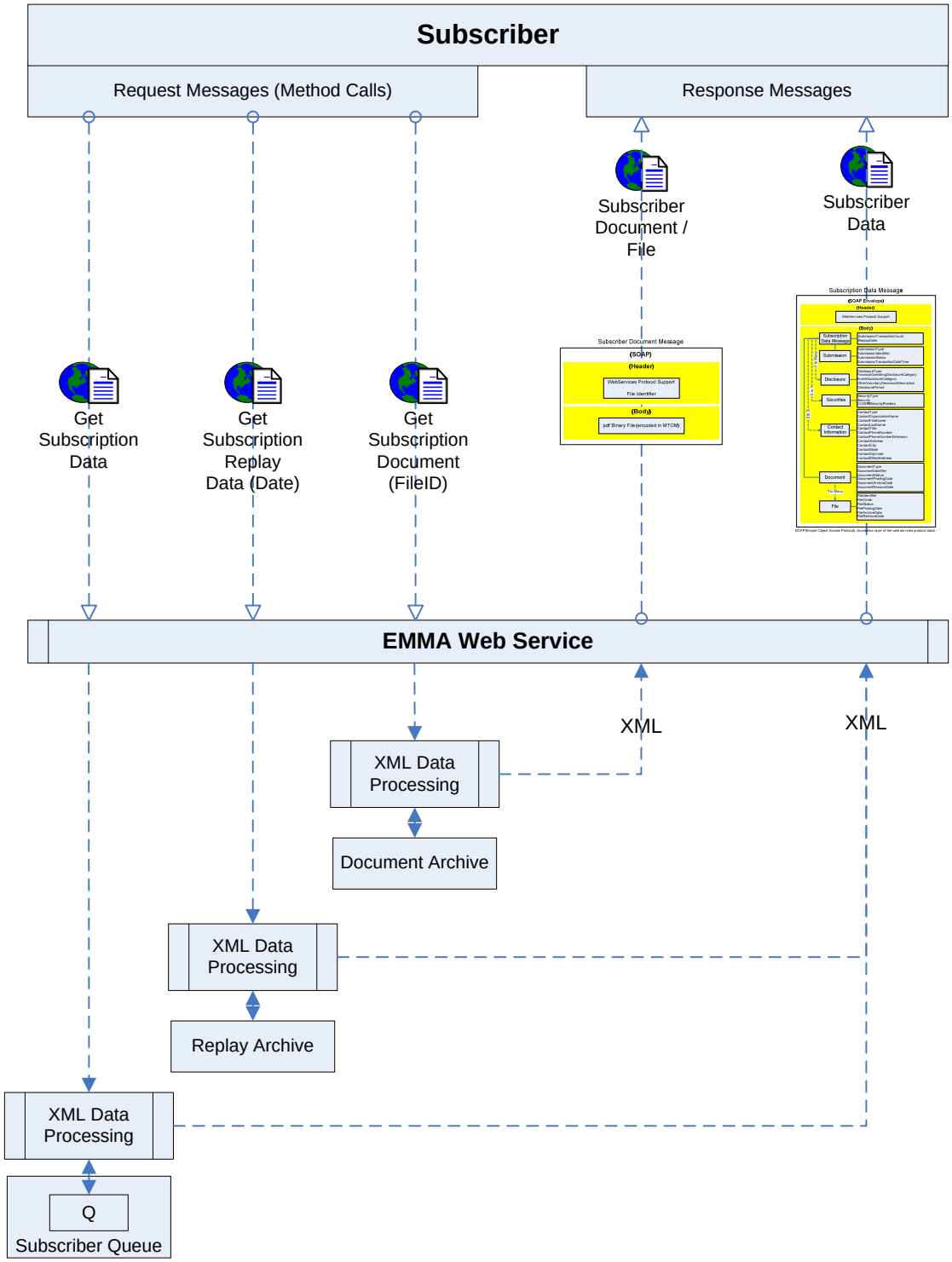MESSAGE PROCESSING OVERVIEW