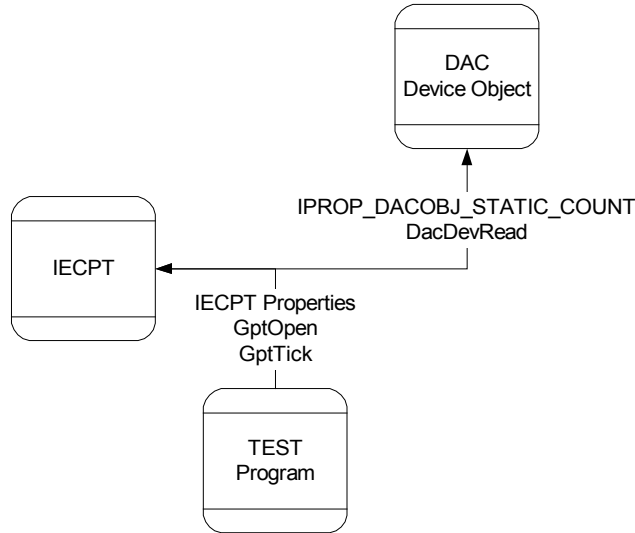


## TECHNICAL NOTE 2: IECPT BALANCED MODE

This technical note provides additional help to users deploying the IECPT in balanced mode. The following figure shows how the components of the deployment environment relate to each other (note that the figure shows a simplified set of relationships to better focus on what is pertinent to balanced mode transmission).



The components relate as follows:

1. The user application configures properties in the IECPT that are required for balanced mode processing.
2. The user application opens the IECPT (GptOpen).
3. During initialization, the IECPT calls the DAC GetObj API on the device object (DAC\_OBJ\_DEVICE) to determine the number of devices supported by the user application.
4. For each device, the IECPT calls the DAC Read API to obtain the IDs of the devices supported by the user application.
5. After the IECPT has been configured and opened, the user application periodically delivers to the IECPT a time slice (GptTick). When IECPT receives the time slice, it determines if any class 1 or class 2 data needs to be delivered to the controlling station. If this is the case, the IECPT performs a write over the link to deliver this data.

### IECPT Balanced Mode Properties

There are only a few properties that are specific to balanced mode. These properties are described in the following table.

## Technical Note 2: IECPT Balanced Mode

IECPT Property	Default	Description
IPROP_IEC_BALANCED_MODE	False	If true, the IECPT operates in balanced mode. If false, the IECPT does not operate in balanced mode.
IPROP_IEC_DIRECTION	0	The value of the direction bit (0 or 1). The upper bit (direction bit) of the control octet is used in balanced-mode transmissions. This property determines the value of the direction bit in IECPT transmissions.

### DAC Device Object

During initialization, the IECPT uses DAC services on the device object (DAC\_OBJ\_DEVICE) to obtain information about the devices supported by the user application. The IECPT uses the DAC Get Object Property to determine the number of devices supported by the user application, and so on. *ASE Protocol Translator Interface Specification* provides detailed information on the DAC interface.