

**Oakland Community College**  
***Technology Equipped Classroom (TEC)***  
***Component Replacement Cycle***

**Position Paper**

**May 26, 2004**

## **Position Statement**

OCC has invested a significant amount of time, effort, and capital funds into deploying Technology Equipped Classrooms (TEC).

Although the existing TEC stations effectively meet the needs of the faculty, there are two areas of concern:

- As the components in the TEC age, the risk of failure during classroom instruction increases.
- Technology evolves at a rapid pace, so these components may need to be updated to more current standards to be effective.

### Proposition 1:

Adopt a standard replacement cycle for each component installed in the TEC as indicated in the attached table. Please note that component usage for some rooms will vary from the usage assumptions shown and therefore will affect the expected life.

### Proposition 2:

Review the component specifications on an annual basis to assess the effectiveness of the current standard. Update the standards as needed.

### Proposition 3:

Assemble the relevant TEC component inventory information and calculate a recommended component replacement schedule for the College.

## **Background at OCC**

The first Technology Equipped Classrooms were installed in Auburn Hills (F building) in the mid 1990's. The evolution continued with the development of the "Master Classroom" specification in February 2000. An RFP (Request For Proposal) was sent to vendors in April 2001 for response, and deployment of TEC stations beginning later in the calendar year 2001.

Many of the components installed in the original TEC are reaching, or have surpassed, their useful life. Although the first cost of the TEC is considered and funded by the college, there is no replacement program in place to maintain these components as they age.

## **Benefits**

A planned replacement program provides:

- A reduction in unplanned outages, which disrupt student learning.
- The ability to more accurately forecast and budget.
- The ability to maintain adequate classroom technology.

## Recommended TEC component replacement interval

### Support

Our existing support vendor, National Satellite has provided the following equipment life projections:

Component	Usage assumption	Expected life	Comments
LCD projector	4-6 days per week, 6-8 hours/day	5-6 years	Assumes equipment if free from dust /dirt, filters cleaned monthly
LCD Projector bulb	4-6 days per week, 6-8 hours/day	1 year	Assumes equipment if free from dust /dirt, filters cleaned monthly
AMX remote touch panel	4-6 days per week, 6-8 hours/day	4-5 years	Assumes equipment if free from dust /dirt, filters cleaned monthly
VCR	4-6 days per week, 6-8 hours/day	2-3 years	Assumes equipment if free from dust /dirt, filters cleaned monthly
DVD	4-6 days per week, 6-8 hours/day	2-3 years	Assumes equipment if free from dust /dirt, filters cleaned monthly
Amplifier	4-6 days per week, 6-8 hours/day	4-5 years	Assumes equipment if free from dust /dirt, filters cleaned monthly
Document Camera	4-6 days per week, 6-8 hours/day	4-5 years	Assumes equipment if free from dust /dirt, filters cleaned monthly
Document Camera bulb	4-6 days per week, 6-8 hours/day	1-3 years	Assumes equipment if free from dust /dirt, filters cleaned monthly