

### FFS vs RBI

#### FFS:

- Need to understand what did cause the damage.
- Select appropriate NDE characterisation method.
- Assess existing damage rates to assesses continue in service.
- Select effective mitigation method.
- What level of degradation is tolerable.

#### RBI:

- Need to understand what will cause damage.
- Select appropriate NDE characterisation methods.
- Assess future damage rates to assess remaining life.
- Select effective monitoring methods.
- What is the remaining safety factor for CoF, PoF, RoF.

### FFS and RBI

#### Interrelated methodologies:

- RBI applied for multiple equipments units - at system level.
- FFS applied for one equipment unit - at component level.

#### Similar methodologies:

- Consequence- and likelihood of failure mechanisms.
- Remaining life for equipment units.
- Appropriate mitigation, monitoring, or inspection methodology.
- Appropriate/Optimum activity intervals.

#### Differing methodologies:

- RBI: Consistency more important than accuracy.
- FFS: Accuracy more important than consistency.

#### Complementing methodologies:

- Safety can be maintained above a minimum tolerable limits while operating equipments with flaws.