MSC PRESENTS THE

ENGINEERING APPLICATIONS DEPARTMENT

(EAD)

D. N. HERTING

VICE PRESIDENT OF ENGINEERING

SCOPE OF THE PROJECTED WORK

1. PERFORM STRUCTURAL ANALYSIS FOR ACTUAL HARDWARE AND PROCESSES
   - Modeling.
   - Computer runs at MSC or off-site via terminals.
   - Analysis of results.
2. CUSTOMIZED SOFTWARE
   - Stand-alone pre- and post-processors.
   - One-time proprietary Versions of GRASP, (MSC/NASTRAN later).
   - Special DMAP ALTER packages.
3. SEMINARS AND CONSULTING SERVICES
   - Handle contracts and planning.
   - Set standards and controls.

METHODS AND PROCEDURES

1. Dedicated staff with support available from other MSC Departments, (Engineering, Marketing and Documentation).

2. EAD supplies specialized work for internal MSC/NASTRAN development.

3. EAD generates its own Proposals and Contracts (separate from MSC/NASTRAN and GRASP Contracts).

4. Technical procedures will be implemented to control project quality and timely deliveries.

ADVANTAGES TO CLIENTS

1. HIGHEST TECHNICAL QUALITY
   - Resources of highly experienced staff
   - Service-oriented
   - Long-term objectives
2. EFFICIENCY
   - Avoid long trial and error mode
   - Familiarity with MSC/NASTRAN "Tricks"
   - Competitive rates
3. MSC CORPORATE POLICY
   - Stable Staff
   - No conflicts of interest
   - Efficient size

INDIRECT BENEFITS

1. NEW DEVELOPMENT

   - Brings MSC staff closer to Customer difficulties.

2. QUALITY ASSURANCE

   - More pressure for critical error fixes.

3. DOCUMENTATION

   - Provide more realistic examples and better instructions.

4. THE SAFETY NET CONCEPT

   - Provides method for responding to Engineer with serious difficulties.

FUTURE PLANS

1. Grow to sufficient size to handle wide range of jobs, functions.

2. Set up working offices in strategic locations.
   Interconnect these with modern Computer networks.

3. Set up cooperative arrangements with compatible
   Engineering Organizations.