

COMMERCIAL IN CONFIDENCE

SCIENCE AND ENGINEERING RESEARCH COUNCIL
RUTHERFORD APPLETON LABORATORY

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issued by
R W Witty

ALVEY SE PROGRAMME

IPSE Contenders

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 D Talbot
 Alvey File

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1. INTRODUCTION

This paper is an outline of the current position of our attempts to formulate consortia to produce IPSEs (the 'contenders'). No doubt this paper will change in content over the coming months!

2. SDL ET AL

2.1 Technical Content

1st/2nd generation IPSE (evolutionary)

Perspective: extended Pascal, Mascot, Ada to come

Distributed Unix: Newcastle Connection

Hardware: VAX? GEC Series 63? ICL PERQ?

2.2 Collaborators

SDL : Perspective (Prime Contractor?)

York Un. : Ada, X25

Newcastle Un. : Newcastle Connection

MARI?

RSRE?

Keele Un.?

GEC : Series 63

ICL : PERQ, Ethernet

Bae : User test site

2.3 Comments

1. Looking like a runner.

3. SSL

3.1 Technical Content

1st/2nd generation IPSE (evolutionary)

SDS3 : Gamma

VMS based; happy to move to UNIX.

3.2 Collaborators

SSL : SDS3 (Prime Contractor?)

York Un? : Ada (SSL market it)

Barclays Bank? : sponsor Gamma

STL? : Sponsors Gamma

Manchester Un? : Cliff Jones' student

Aberystwyth? : Prototyping & reliability

3.3 Comments

1. no hint yet of direction that tools above SDS3 will take
2. no collaborators yet
3. therefore ask can SDL's Perspective be put onto SDS3? No, says SDL; we should foster competition!
4. ICL, STL, IDEC

4.1 Technical Content

2nd/3rd generation IPSE (clean sheet)

likely to be mixed hardware and software process support.

4.2 Collaborators

ICL : hardware and software CAD

STL : formal theory

IDEC : test site

Universities : lots of good connections already.

4.3 Comments

1. Who will be prime contractor?