

## TASK AUTHORISATION FORM

Contract Number	<input type="text"/>	Task Number	<input type="text" value="1"/>
Originating Reference	<input type="text"/>	Issue Number	<input type="text" value="1"/>
Equipment	<input type="text"/>	Issue Date	<input type="text"/>
Brief Description	<input type="text" value="Maths Transforms Study"/>		

### **PART 1**

(Completed by the Authority's Project Manager or the Contractor)

Name of Originator

Proposed Task Title

Maths Transforms Study Phase 2

Statement Of Requirements

Building on the first phase of successful theoretical analysis work, the next phases of work are associated with:

- Translating the mathematical equations into a block diagram behavioural model in Simulink (model based design).
- Simulating the block diagram (behavioural model) and validating the working form which may be achieved by cross comparing back to prior theoretical analysis for signals of interest.
- Refining the model and extending the design form into an implementation model, preparing the way for (eventual) implementation onto Software Defined Radios (SDRs).
- Physically implementing the transforms(s) onto SDRs and practically validating the final design form (Over the Air approaches would be preferable). The implementation approach may be achieved by use of auto-coding generation processes that are available within Mathworks design tools.

A full price breakdown of tasks (a) to (d) is sought for each transform that will enable future research phases to select tasks to be conducted incrementally in line with available funding profiles.

MatLab projects files to be created in accordance with Matlab best practice as defined at

LiveScripts to be created in accordance with MatLab best practice as defined at

The behavioural models to be created in accordance with MatLab best practice as defined at

Test Harnesses are required to test the behavioural models performance and that can be re-used to test the design as it progresses through the stages to ready it for deployment onto hardware. These shall be created in accordance with MatLab best practice as defined at

Quality Assurance / DEFSTANS (specific to Task)

Acceptance Criteria / Task Output / Contractor Deliverable / IP

Short report detailing the process implemented, test results and lessons learnt and archived Matlab projects, test harnesses and LiveScript reports of the Simulink block diagrams for each mathematical transform.

Task Duration

Contractors proposed completion date is

Subject to approval by

Signed

On behalf of

Telephone Number

E-mail Address

THE CONTRACTOR IS NOT AUTHORISED TO COMMENCE WORK ON THIS TASK UNTIL PART 3 IS COMPLETED

**PART 2****Contractor's Proposal Based On The Agreed Rates In The Contract**

	Hours	Rate	Price £
Labour			

Sub-Total  Sub-Total

Materials	Details	Price £

Sub-Total

Sub-Contracts	Sub-Contractor	Price £

Sub-Total

Other Costs	Details	Price £

Sub-Total

Sub-Total

Total Firm Price (EX VAT)

GFE Requirements Specific To Task

Effect or Dependency on previous Task

Signed  Position

On behalf of  Date

Telephone Number

E-mail Address

THE CONTRACTOR IS NOT AUTHORISED TO COMMENCE WORK ON THIS TASK UNTIL PART 3 IS COMPLETED

### **PART 3** Price Agreement And Dstl Authorisation

#### **PROJECT MANAGER**

I confirm that the time-scale and level of work detailed in Parts 1 and 2 are acceptable for this Task

A completion date of  is therefore considered appropriate and acceptable.

Project Office Approval is hereby given for the Task to proceed at a Price  Ex VAT of

Name of Project Manager

Signed  Post Title  Date

Telephone Number

E-mail Address

#### **COMMERCIAL OFFICER**

Approval to proceed with the Task at the price of  Ex VAT is hereby given

Name Of Commercial Officer

Signed  Post Title  Date

Telephone Number

E-mail Address

Purchase Order Number

UPON COMPLETION OF THIS PART, THE CONTRACTOR IS AUTHORISED TO COMMENCE WORK

**PART 4** **Notification of Task Completion** (To be completed by the Contractor)

All work on this Task is complete and all deliveries (where applicable) have been dispatched.

I hereby notify the Authority's Project manager that the above Task was completed on

Name

Signed  Position

On behalf of  Date

Telephone Number

E-mail Address

**PART 5** **Confirmation of Task Completion** (To be completed by the Authority)

I confirm that all work on the above Task has been completed to the satisfaction of the Project Manager

The completion date for this Task was

Comments on Task report

Your claim for payment in accordance with the terms and conditions of the contract may now be submitted.

Name of Project Manager

Signed  Post Title  Date

Telephone Number

E-mail Address

