Statement of Work (Service)

TITLE: ADS-ICCAP Software Maintenance Agreement

Requesting Laboratory / Division / Group:

Communications Technology Laboratory
Radio Frequency Technology Division
High-Speed Measurements Group (672.03)

Scope of Work:

NIST has a continuing need for software to perform circuit layout and design for the Teledyne Scientific and Northrup Grumman semiconductor foundries. NIST currently uses Keysight Advanced Design System (ADS) software for this purpose. This software is compatible with the software used at the two foundries.

Objective(s):

Software maintenance agreement (SMA) to support for existing software used to perform circuit layout and design for the Teledyne Scientific and Northrup Grumman semiconductor foundries.

General Requirements:

Software license support with software upgrades and support for the simulation, modeling, and design of state-of-the-art measurement instrumentation for integrated circuits (ICs) working from DC to terahertz frequencies. New SMA will have to integrate easily with existing software, hardware, and vendor systems.

Special Requirements:

~ N/A ~

Tasks:

Task Number or Reference	Description	Quantity	Due Date
1	**W2202BP/12812830** ADS Core, Layout, Advanced Layout, Harmonic Balance bundled software license	1 Year	1 JUN 23
2	**W2205BP/12417893** ADS Core, Layout, Advanced Layout, Harmonic Balance, Momentum, Interoperability bundled software license	1 Year	1 JUN 23
3	**W2302EP/12704073** Transient Convolution + Channel Sim element software license	1 Year	1 JUN 23
4	**W8500BP/12629652** IC-CAP Device modeling platform bundle license	1 Year	1 JUN 23
5	**W2205BP/13441339** ADS Core, Layout, Advanced Layout, Harmonic Balance, Momentum, Interoperability bundled software license	1 Year	1 JUN 23
6	**W8541EP/13441341** IC-CAP Keysight HBT model extraction software license	1 Year	1 JUN 23
7	ISM-HEMT extraction package software license	1 Year	1 JUN 23

Place of Performance:

NIST-Boulder
325 Broadway
Boulder, CO 80305

Period of Performance/Delivery Date:

1 JUN 23 to 31 MAY 24

Security:

(1) NIST is a restricted campus. An identification badge is required for access into buildings and must be presented to the armed Security Police when entering the campus.

(2) Regular Business Hours: Regular business hours are Monday through Friday, 8:00 am to 5:00 pm Local Time.

(3) Identification Badges: Contractor employees shall comply with NIST identification and access requirements. Each Contractor employee shall wear a visible identification badge provided by the NIST Security Office.

(4) Vehicle Registration: All Contractor employees must register their vehicles with the NIST Security Office to gain access to the campus. A valid driver's license, Government-furnished civilian ID, proof of insurance and current registration must be presented to the NIST Security Office, at which time a NIST vehicle pass will be issued. The pass shall be displayed on the vehicle in accordance with NIST Security Office instructions.

Travel:

~ N/A ~

Special Material Requirements:

~ N/A ~

Other Unique Requirements:

~ N/A ~