

# **RESOLUTION OF THE BOARD OF DIRECTORS OF NEXUS INTELLIGENT SYSTEMS, INC.**

REGARDING: Neural Network Architecture for Complex Problem Resolution Intellectual Property Protection and Strategic Development

## **PREAMBLE**

WHEREAS, Nexus Intelligent Systems, Inc. (the "Company") is a Delaware corporation engaged in advanced artificial intelligence and predictive analytics services;

WHEREAS, the Company has developed a proprietary neural network architecture with significant strategic and commercial potential;

WHEREAS, the Board of Directors recognizes the critical importance of protecting and strategically positioning this intellectual property asset;

NOW, THEREFORE, BE IT RESOLVED:

## **1. INTELLECTUAL PROPERTY DESIGNATION**

1 The neural network architecture developed by the Company's research and development team, hereinafter referred to as the "Complex Problem Resolution Architecture" (CPRA), is hereby designated as a critical strategic intellectual property asset.

2 The CPRA shall be classified as a Tier 1 Proprietary Technology, subject to the highest levels of confidentiality and protection protocols.

## **2. PROTECTION STRATEGY**

### **1 Patent Protection**

The Company shall immediately initiate a comprehensive patent filing strategy, including:

- a) Provisional patent application within 30 days
- b) International Patent Cooperation Treaty (PCT) filing within 180 days
- c) Targeted jurisdiction filings in United States, European Union, China, and Japan

### **2 Trade Secret Preservation**

The Company shall implement rigorous trade secret protection mechanisms, including:

- a) Restricted access protocols
- b) Comprehensive non-disclosure agreements for all personnel
- c) Advanced digital rights management for source code and architectural specifications

### **3. COMMERCIALIZATION FRAMEWORK**

#### **1 Licensing Considerations**

The Board authorizes the executive team to explore strategic licensing opportunities, with the following parameters:

- a) Exclusive licensing limited to strategic enterprise partners
- b) Minimum licensing fee structure of \$250,000 per annual enterprise deployment
- c) Royalty rates between 7-12% of derived commercial value

#### **2 Potential Market Verticals**

The CPRA shall be initially targeted in the following industry sectors:

- Advanced manufacturing
- Energy infrastructure
- Transportation logistics
- Predictive maintenance systems

### **4. RESEARCH AND DEVELOPMENT ALLOCATION**

1 The Board approves an additional investment of \$1.2 million in continued CPRA development and refinement over the next 18 months.

2 Research objectives shall include:

- a) Enhanced machine learning algorithmic complexity
- b) Expanded problem domain adaptability
- c) Improved computational efficiency

### **5. GOVERNANCE AND OVERSIGHT**

1 The Chief Technology Officer shall provide quarterly detailed reports on CPRA development, including:

- Technical progression metrics
- Competitive landscape analysis
- Potential intellectual property risks

2 An independent technical advisory committee shall be established to provide external validation and strategic guidance.

## **6. EXECUTION AND AUTHORIZATION**

1 This resolution is effective immediately upon approval by the Board of Directors.

2 The Chief Executive Officer and Chief Technology Officer are hereby authorized to take all necessary actions to implement this resolution.

## **CERTIFICATION**

I hereby certify that the foregoing resolution was duly adopted by the Board of Directors of Nexus Intelligent Systems, Inc. on this 22nd day of January, 2024.

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Dr. Elena Rodriguez

Chief Executive Officer

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Michael Chen

Chief Technology Officer