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GROUP REPORT

Experiential Networked Intelligence (ENI); Knowledge-Enhanced Network LLMs (<https://standards.iteh.ai>) Document Preview

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Foreword

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Introduction

In the field of communication networks, large language models face issues such as knowledge cutoff, high training costs, long development and training cycles, a tendency to hallucinate, difficulty in providing deep knowledge in specialized areas, and the complexity in ingesting and generating real-time network operational data. The present document describes the development of knowledge-enhanced network Large Language Models. The present document explains the motivation for developing a Knowledge-Enhanced Large Language Model, followed by recommendations for how a Large Language Model is trained and then used for network Operation, Administration, Maintenance, and Performance (OAMP) operations.