

American Dental Association
Technical Report No. 1054

Electronic Dental Laboratory Prescription Forms

*A Technical Report prepared by the American Dental Association
and registered with ANSI.*

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AMERICAN DENTAL ASSOCIATION TECHNICAL REPORT NO. 1054 FOR ELECTRONIC DENTAL LABORATORY PRESCRIPTION FORMS

The Council on Dental Practice of the American Dental Association has approved American Dental Association Technical Report No. 1054 for Electronic Dental Laboratory Prescription Forms. Working Groups of the ADA Standards Committee on Dental Informatics (SCDI) formulate this and other specifications and technical reports for the application of information technology and other electronic technologies to dentistry's clinical and administrative operations. The ADA SCDI has representation from appropriate interests in the United States in the standardization of information technology and other electronic technologies used in dental practice. The ADA Standards Committee on Dental Informatics confirmed approval of ADA Technical Report No. 1054 on January 4, 2012.

Publication of this technical report that has been registered with ANSI has been approved by the American Dental Association, 211 E. Chicago Ave., Chicago, IL 60611. This document is registered as a technical report according to the *Procedures for the Registration of Technical Reports with ANSI*. This document is not an American National Standard and the material contained herein is not normative in nature. Comments on this document should be sent to the American Dental Association, 211 E. Chicago Ave., Chicago, IL 60611.

This report was prepared by SCDI Working Group 10.9 for Dissemination of Dental Laboratory Prescriptions. The ADA Standards Committee on Dental Informatics thanks the members of Working Group 10.9 and the organizations with which they were affiliated at the time the specification was developed:

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FOREWORD

(This Foreword does not form a part of American Dental Association Technical Report No. 1054 for Dental Laboratory Prescription Forms).

In 1992, there was interest in the standardization of clinical information systems related to electronic technology in the dental environment. After evaluating current informatics activities, a Task Group of the ANSI Accredited Standards Committee MD156 (ASC MD156) was created by the ADA to initiate the development of technical reports, guidelines, and standards on electronic technologies used in dental practice. In 1999, the ADA established the ADA Standards Committee on Dental Informatics (SCDI). The ADA SCDI is currently the group that reviews and approves proposed American National Standards (ANSI approved) and technical reports developed by the standards committee's working groups. The ADA became an ANSI accredited standards organization in 2000.

The scope of the ADA SCDI is:

The ADA SCDI shall develop informatics standards, technical specifications, technical reports and guidelines and interact with other entities involved in the development of health informatics standards aimed at implementation across the dental profession.

AMERICAN DENTAL ASSOCIATION TECHNICAL REPORT NO. 1054 FOR ELECTRONIC DENTAL LABORATORY PRESCRIPTION FORMS

SCOPE

The technical report presents the types of data and electronic format necessary to be included on an electronic dental laboratory prescription. The goal of this report is to address the need for electronic transmission of patient information from the dental practitioner to the outsourced dental laboratory with the necessary security and interoperability.

INTRODUCTION

The Internet has proven to be an effective means of communication. Therefore, providing necessary prescriptions in electronic format is the next step in securing a patient's data and providing restoration specific information, including required materials, procedures and protocols to accompany off site restoration fabrication including electronic impressions.

Because of the personal and private nature of health records, the dental practitioner needs to understand the security issues associated with "data at rest" and "data in transit." This paper is not intended to explain security concepts and the risks associated with the maintenance of data in storage and transit, and over an internet connection. The ADA Standards Committee on Dental Informatics (ADA SCDI) has published a series of technical reports that provide dental practitioners with guidelines in addressing issues of security of data in storage and transmission over the Internet.¹⁻⁷

This technical report provides additional guidelines for the format, content and security of patient data disseminated offsite to the outsourced dental laboratory. The recommendations provided herein are designed to be technology-neutral and to be scalable to address the needs of both large and small facilities.

This document may provide information regarding legal implications of the security and privacy regulations. This document does not provide legal advice and covered entities must work with their legal staff to address appropriate requirements. This document may serve as a tool to expedite an understanding of the necessary legal actions needed to address requirements, as well as federal and state legislation, as security and privacy has an impact on many aspects of dentistry.

REFERENCED STANDARDS

The following documents contain provisions that, through reference in this text, constitute provisions of this document.

American Dental Association Technical Report No. 1041: *Content of Electronic Dental Laboratory Prescriptions*

CDT 2011-2012, *The ADA Practical Guide to Dental Procedure Codes*

ISO/ANSI/ADA 3950:2010, *Dentistry-Designation System for Teeth and Areas of the Oral Cavity*

(ADA Technical Reports, ISO dental standards and CDT are available from the American Dental Association, 211 E. Chicago Ave., Chicago, IL 60611 or www.adacatalog.org).

Digital Imaging and Communications in Medicine (DICOM) Version 3.0

(DICOM is available from the National Electrical Manufacturers Association, 1300 N. 17th St., Rosslyn, VA 22209 or <http://dicom.nema.org>).

HL7 Version 2.5