

# PRIVATE PREDICTION MARKETS AND THE LAW

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This paper analyses the legality of private prediction markets under U.S. law, describing both the legal risks they raise and how to manage those risks. As the label "private" suggests, such markets offer trading not to the public but rather only to members of a particular firm. The use of private prediction markets has grown in recent years because they can efficiently collect and quantify information that firms find useful in making management decisions. Along with that considerable benefit, however, comes a worrisome cost: the risk that running a private prediction market might violate U.S. state or federal laws. The ends and means of private prediction markets differ materially from those of futures, securities, or gambling markets. Laws written for those latter three institutions nonetheless threaten to limit or even outlaw private prediction markets. As the paper details, however, careful legal engineering can protect private prediction markets from violating U.S. laws or suffering crushing regulatory burdens. The paper concludes with a prediction about the likely form of potential CFTC regulations and a long-term strategy for ensuring the success of private prediction markets under U.S. law.

## INTRODUCTION

This paper analyses the legality of private prediction markets under U.S. law, describing both the risks they pose and some potential cures. The use here of "private" (or, equivalently, "in-house") refers to markets open not to the public but rather only to members of a particular firm.<sup>2</sup> The Foresight Exchange<sup>3</sup> and the Iowa Electronic Markets,<sup>4</sup> because they generally welcome anyone to join in the trading they host, represent examples of *public* prediction markets. *Private* prediction markets, such as those run by Google,

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<sup>2</sup> More specifically, by "members" I intend to include both common law employees of a firm and independent contractors who, because their access to confidential information of the firm burdens them with fiduciary obligations, qualify as common law agents of the firm. See Restatement (Second) of Agency (2d) § 2(3) (1958) (defining "independent contractor" as "a person who contracts with another to do something . . . He may or may not be an agent.").

<sup>3</sup> See <http://www.ideosphere.com/> (visited May 7, 2008).

<sup>4</sup> See <http://www.biz.uiowa.edu/iem/> (visited May 7, 2008).

1 Best Buy, and a growing number of companies,<sup>5</sup> support trading only by each  
 2 firm's members and only in support of a common business enterprise. In  
 3 private prediction markets, traders do not trade solely for the sake of trading;  
 4 they do so in the course of their employment.

5 A growing number of firms have in recent years begun running in-house  
 6 prediction markets, using them to collect and quantify data useful for firm  
 7 management. The actions of those firms say more about the benefits of  
 8 prediction markets than my words ever could, so I will not belabor the point.  
 9 Instead, I here focus on a cost: the risk that private prediction markets—  
 10 especially those that offer real-money prizes<sup>6</sup>—might violate U.S. state or  
 11 federal laws. I adopt this critical point of view not to condemn such markets,  
 12 but rather to protect them. Only after a clear-eyed study of the legal risks  
 13 threatening private prediction market can we formulate workable defenses.

14 Part I sketches the ends and means of prediction markets, demonstrating  
 15 that they differ significantly from the ends and means of futures, securities,  
 16 and gambling markets. The laws written for those sorts of markets thus do  
 17 not fit prediction markets very well. Still worse do they suit *private*  
 18 prediction markets. Part II explains why those laws nonetheless threaten  
 19 private prediction markets. As Part II explains, however, prudent legal  
 20 engineering can protect private prediction markets from violating the law or  
 21 suffering crushing regulatory burdens. Part III describes the bright future of  
 22 private prediction markets, the likely impact of potential regulations by the  
 23 CFTC, and a strategy designed to ensure that all prediction markets—private  
 24 and public, alike—might thrive and grow under U.S. law.

## 27 **PART I: THE UNIQUE STATUS OF PRIVATE PREDICTION** 28 **MARKETS UNDER U.S. LAW**

29  
 30 The ends and means of prediction markets differ materially from the ends  
 31 and means of futures, securities, and gambling markets. The policy reasons  
 32 for regulating those sorts of markets thus do not fit prediction markets very  
 33 well. Private prediction markets, in particular, have ends and means different  
 34 from those of other, more conventional and heavily regulated markets. Rather

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<sup>5</sup> See Steve Lohr, "Betting to Improve the Odds," *N.Y. Times*, April 9, 2008, at <http://www.nytimes.com/2008/04/09/technology/techspecial/09predict.html?ei=5070&en=135efaa8873036b&ex=1208404800&emc=eta1&pagewanted=print>.

<sup>6</sup> Whatever their virtues, in-house prediction markets that offer only play-money payoffs do not raise face dire legal threats. I thus for the most part do not address them. It bears noting, however, that the threats that illegal insider trading laws pose to real-money private prediction markets pose an equal threat to play-money private markets.

1 than offering thousands of words explaining that claim, I here offer two  
 2 illustrations of it, in figures 1 and 2, below.<sup>7</sup>

3

Purpose: Type:	Express Prices	Promote Discovery	Entertain	Hedge Risks	Raise Capital
Prediction Market	primary	secondary	tertiary	tertiary?	N.A.
Futures Market	secondary <sup>8</sup>	tertiary?	N.A.	primary <sup>9</sup>	N.A.
Securities Market	secondary	tertiary?	N.A.	tertiary <sup>10</sup>	primary <sup>11</sup>
Gambling Market	N.A.	N.A.	primary	N.A.	N.A. <sup>12</sup>

4

5 **Figure 1: Market Type v. Market End**

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7 Figure 1 illustrates that prediction markets exhibit a unique concern for  
 8 expressing prices and promoting discovery. The goals most important to  
 9 other markets—hedging risks, raising capital, and entertainment—matter

<sup>7</sup> For the details behind these policy portraits, see Tom W. Bell, "Prediction Markets for Promoting the Progress of Science and the Useful Arts," 14 *Geo. Mason L. Rev.* 37 (2006). This part's discussion of the tables derives in part from the discussion in that earlier paper.

<sup>8</sup> See Commodities Futures Trading Commission [hereinafter, "CFTC"], *The Economic Purpose of Futures Markets and How They Work*, <http://www.cftc.gov/educationcenter/economicpurpose.html> (last visited Oct. 29, 2008) (saying, "[P]rice discovery [] is considered an important economic purpose of futures markets.").

<sup>9</sup> CFTC, *supra* note 9 ("Futures markets are . . . designed as vehicles for hedging and risk management . . .").

<sup>10</sup> Investing in securities may help an investor hedge against loss by dint simply of diversifying her portfolio.

<sup>11</sup> See U.S. Securities and Exchange Commission, *The Investor's Advocate: How the SEC Protects Investors, Maintains Market Integrity, and Facilitates Capital Formation*, <http://www.sec.gov/about/whatwedo.shtml> (last visited Feb. 27, 2006) ("The mission of the U.S. Securities and Exchange Commission is to protect investors, maintain fair, orderly, and efficient markets, and facilitate capital formation.").

<sup>12</sup> States sometimes justify their lotteries as a means for funding for education or other worthy ends. See, e.g., California State Lottery, *Supporting Education*, <http://www.calottery.com/Support/LotteryFunds/> (last visited Feb. 27, 2006). That does not mean lotteries "raise capital" for investment, however; it means simply that that lotteries substitute for tax revenues.

1 comparatively little to prediction markets as a class. The sort of prediction  
2 markets of particular interest here—those that limit trading to the agents of a  
3 common enterprise and about questions relevant to the enterprise's success—  
4 differ still more sharply from futures, securities, or gambling markets.

5 Prediction markets aim primarily to aggregate and reveal prices—positive  
6 externalities that offer accurate, timely, and quantified answers to important  
7 questions. Private prediction markets, in particular, aim at encouraging the  
8 discovery of truths about questions concerning some common enterprise, such  
9 as the likely shipping date of a new product or the effect of an ad campaign on  
10 sales. As a consequent and secondary matter, prediction markets can  
11 stimulate research by rewarding it.

12 Prediction markets do not typically aim solely or primarily at  
13 entertainment, though they might offer it. In particular, the sorts of claims  
14 generally traded on private prediction markets—claims about such dry but  
15 important questions as a supplier's reliability—do not look likely to offer  
16 much intrinsic entertainment value.<sup>13</sup> Private prediction markets in skill-  
17 based claims thus ought to escape the reach of gambling regulations. Still less  
18 would private prediction markets support the sort of hedging functions that  
19 justify the CFTC's regulation of futures markets.<sup>14</sup>

20 Prediction markets use means different from those of conventional  
21 markets. Table 2 summarizes the distinctions. It illustrates that prediction  
22 markets alone offer skill-based spot trading of conditional claims (rather than  
23 of underlying assets), usually on a zero-sum basis, and without exposing  
24 traders to losses greater than their investments. That collection of features  
25 distinguishes all types of prediction markets, public and private alike, from  
26 futures, securities, and gambling markets. The next Part details why those  
27 differences give private prediction markets a fair claim to escaping the reach  
28 of the CFTC, SEC, and state-level gambling laws.  
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<sup>13</sup> See Robin Hanson, "Could Gambling Save Science? Encouraging an Honest Consensus," *Soc. Epistemology*, Jan. 1995, at 3,16 available at <http://hanson.gmu.edu/gamble.html> ("[S]cience questions are generally too long term to be a problem [for compulsive gamblers], offering no more 'action' than long-term stock investments.").

<sup>14</sup> Granted, a thoughtful and risk-averse employee might perhaps use a private market to hedge against loss, such as by investing in claims that his company will not pay a year-end bonus. That seems unlikely to constitute a major function of a private prediction market or to account for more than a *de minimus* amount of trading.

Feature: Type:	Skill-based Trading	Spot Trading	Zero-Sum Trading	Underlying Assets	Risk of Loss Greater than Investment
Prediction Market	yes	yes	usually	no	no
Futures Market	yes	no	yes	usually	yes
Securities Market	yes	usually	no	usually	sometimes
Gambling Market	no	yes	yes	no	sometimes

**Figure 2: Market Type v. Market Means**

**PART II: LEGAL THREATS TO PRIVATE PREDICTION MARKETS AND SOME RESPONSES**

As the prior Part explained, U.S. laws pertaining to futures, securities, or gambling markets do not fit private prediction markets very well. As this Part explains, however, those laws nonetheless pose some risk of clumsily regulating, or even outlawing, private prediction markets. To avoid that unwelcome result calls for more than abstract policy arguments; it calls for careful legal engineering. In brief, private prediction markets can reduce their exposure to legal liability if they:<sup>15</sup>

- Avoid supporting hedging functions;
  - Offer only spot exchanges of conditional negotiable notes;
  - Publicize material information or safeguard against insider trading;
- and
- Require agents of the firm to trade on the market.

<sup>15</sup> Note that you will not find among these suggested strategies, "Run the private market overseas." That would not protect a firm from liability under U.S. law if any acts illegal under that law occurred on U.S. soil, such as would happen if a resident employee illegally traded on insider information obtained from her firm's overseas-based prediction market. A firm U.S. firm could avoid that sort of liability by moving all of its assets and personnel out of the U.S., of course, but that seems a rather drastic measure.

1 Those strategies err on the side of caution, admittedly, and might seem  
2 rather defensive to the sort of risk-loving, cutting-edge companies most likely  
3 to use prediction markets. Perhaps that explains the relative dearth of such  
4 legal prophylactics. More likely, though, most firms running private  
5 prediction markets have yet to carefully assess, much less mitigate, their legal  
6 risks. This Part offers a clear-eyed view of the legal terrain and describes a  
7 safe path for the advance of private prediction markets.  
8  
9

## 10 **A. PRIVATE PREDICTION MARKETS AS FUTURES MARKETS**

11  
12 A real-money *public* prediction market operating with the reach of U.S.  
13 law would run some risk of falling prey to regulation by the Commodities  
14 Futures Trading Commission ("CFTC").<sup>16</sup> A *private* prediction market would  
15 probably run a smaller, but not zero, risk of the same result. This section  
16 briefly describes the scope of that threat and offers some curative responses.  
17 It bears noting up front, however, that considerable uncertainty surrounds this  
18 question—so much so that the CFTC itself recently issued a request for  
19 comments about whether and to what extent it should have any say over how  
20 prediction markets operate.<sup>17</sup>

21 As the CFTC has observed, prediction markets often offer binary option  
22 contracts akin to those over which the Commission has claimed exclusive  
23 jurisdiction.<sup>18</sup> Any public prediction market that offered real-money trading  
24 on such contracts, and that does so within the reach of U.S. law, would thus  
25 arguably fall within the CFTC's regulatory purview—especially if the market  
26 offered significant hedging functions. Notably, however, a prediction market  
27 could probably dodge that outcome by carefully choosing the sorts of  
28 instruments in which it deals. Even though they facially resemble the sorts of  
29 instruments traditionally regulated by the CFTC, for instance, lottery tickets  
30 and foreign currency "forex" contracts fall outside of the CFTC's  
31 jurisdiction.<sup>19</sup> To likewise escape the Commission's reach, prediction markets

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<sup>16</sup> For a more complete discussions of that question, see Bell, *supra* note 7 at 67-68; Bell, *supra* note Tom W. Bell, "Gambling for the Good, Trading for the Future: The Legality of Markets in Science Claims," 5 *CHAPMAN L. REV.* 159 (2002) at p 170-72 at 170-72.

<sup>17</sup> See "Concept Release on the Appropriate Regulatory Treatment of Event Contracts," 73 *Fed. Reg.* 25,669 (2008) at <http://www.cftc.gov/lawandregulation/federalregister/proposedrules/2008/e8-9981.html> (visited May 18, 2008).

<sup>18</sup> See *id.* at 25670. Conceivably, a prediction market could offer contracts structured to resemble the sorts of futures contracts also subject to the exclusive jurisdiction of the CFTC. See *id.* at 25670-71.

<sup>19</sup> See *Commodity Futures Trading Comm'n v. Zelener*, 373 F.3d 861, 867 (7th Cir. 2004)

1 should deal only in spot (rather than future) exchanges of conditional  
2 negotiable notes (rather than contracts).<sup>20</sup>

3 *Private* prediction markets, in particular, have good claim to falling  
4 outside the CFTC's regulatory authority. First, it looks unlikely that most  
5 private prediction markets would routinely offer the sort of significant  
6 hedging functions that characterize markets falling within the CFTC's  
7 jurisdiction. That level of hedging requires quite thick markets, whereas few  
8 private markets would attract sufficient trading to offset large monetary  
9 losses. Nonetheless, as a safeguard against venturing into the CFTC's  
10 jurisdiction, a private prediction market might wisely choose to bar trading  
11 above certain levels of capitalization, revenue, or volume.<sup>21</sup> That would  
12 assure that the market does not support significant financial hedging, yet leave  
13 it free to pursue its primary purpose: discovering what an enterprise's agents  
14 think about its future.<sup>22</sup>

15 Private prediction markets can also cite their closed nature as a second  
16 reason why they have a particularly good claim to escape the CFTC's  
17 jurisdiction. A great many of the markets that the CFTC regulates, such as the  
18 HedgeStreet Exchange, operate as retail establishments, with their doors open  
19 to almost any member of the public.<sup>23</sup> The CFTC also regulates markets open  
20 only to participants who satisfy special statutory criteria, granted.<sup>24</sup> Those  
21 markets must presumably admit each trader who so qualifies, however; unlike  
22 a corporation setting up a private prediction market, they cannot freely pick

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(affirming that exchange of present payment for right, conditional on demand, to present delivery of foreign currency qualifies as "spot" rather than "futures" trading, and thus falls outside the CFTC's jurisdiction).

<sup>20</sup> A conditional note takes the form, "If condition X obtains, the holder of this note can redeem it for \$1 from the Bank." They qualify as notes, rather than contracts, because they do not win legal efficacy via offer and acceptance. A spot market in conditional notes would support the exchange of such notes for value and for present delivery. Thus, for instance, you might for \$60 buy on such a market 100 notes, each paying \$1 if your company ships its newest product on schedule. You would take immediate possession of the notes, and look forward to perhaps cashing them in later for \$1 each, making a profit (ignoring such costs as lost interest) of \$40.

<sup>21</sup> Some commentators have suggested formalizing that approach. See, e.g., Robert W. Hahn & Paul C. Tetlock, "A New Approach for Regulating Information Markets," 29 *J. Reg. Econ.* 265, 277 (2006) (suggesting that the CFTC should exempt from regulation prediction markets that are limited in the size of investment).

<sup>22</sup> A caveat: limiting markets too sharply, or in the wrong way, runs the risk of decreasing their functionality.

<sup>23</sup> See Hedgestreet, *Open An Account*, at <https://www.hedgestreet.com/open-account/> (visited May 7, 2008) (describing requirements for opening a trading account).

<sup>24</sup> See CFTC, *Trading Organizations*, at <http://www.cftc.gov/industryoversight/tradingorganizations/index.htm> (visited May 7, 2008) (outlining the criteria for trading on derivative transaction execution facilities and various "exempt" institutions).

1 and choose who can access the market. Because their hosts retain absolute  
 2 discretion over who trades on them, therefore, private prediction markets  
 3 differ markedly from the types of markets over which the CFTC claims  
 4 jurisdiction.

## 5 6 7 **B. PRIVATE PREDICTION MARKETS AND SECURITIES** 8 **REGULATIONS**

9  
10 Securities regulations threaten private prediction markets on two major  
 11 fronts. First, the SEC might in theory claim that such markets themselves  
 12 deal in securities. For reasons discussed in subpart 1, however, that does not  
 13 look like too worrisome a risk. Second, and more plausibly, a publicly-traded  
 14 corporation's private prediction market might facilitate illegal insider trading  
 15 of its host corporation's securities.<sup>25</sup> Subpart 2 describes the scope of that risk  
 16 and offers several suggestions about how to manage it.

### 17 18 **1. Private Prediction Markets as Securities Markets**

19  
20 Would the claims traded on a private prediction market qualify as  
 21 "securities" under U.S. law?<sup>26</sup> History and public policy say, "Not very  
 22 likely." The claims traded on a private prediction market look nothing like  
 23 the sort of financial instruments—fractional ownership in business  
 24 enterprises—that have traditionally fallen within the jurisdiction of the SEC.<sup>27</sup>  
 25 Nor do private prediction markets function at all like the sorts of markets the  
 26 SEC regulates.<sup>28</sup> Most notably, securities markets create wealth by making  
 27 capital available for productive purposes, whereas prediction markets pit each  
 28 trader against all others in a zero-sum game.<sup>29</sup> The statutes that define the  
 29 SEC's jurisdiction leave room for debate, granted.<sup>30</sup> By and large, though,

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<sup>25</sup> A corporation that is not publicly-traded of course need not worry about illegal insider trading of its shares.

<sup>26</sup> For a more complete exploration of this question, see Bell, *supra* note 7 at 77-82.

<sup>27</sup> See *Chicago Mercantile Exch. v. Sec. & Exch. Comm'n*, 883 F.2d 537, 543 (7th Cir. 1989) ("A security, roughly speaking, is an undivided interest in a common venture the value of which is subject to uncertainty.").

<sup>28</sup> See *supra*, figures 1 & 2.

<sup>29</sup> See Thomas Lee Hazen, "Rational Investments, Speculation, or Gambling? Derivative Securities and Financial Futures and Their Effect on the Underlying Capital Markets," 86 *Nw. U. L. Rev.* 987 (1992) at p 1006-07.

<sup>30</sup> See David J. Gilberg, "Regulation of New Financial Instruments under the Federal Securities and Commodities Laws," 39 *Vand. L. Rev.* 1599 (1986) at p 1622 ("[T]he securities Act definition of a security] has been the subject of extensive judicial and legal debate and has spawned probably the most extensive literature in the areas of securities and commodities

1 courts have interpreted those statutes to give the SEC authority only over  
 2 financial instruments similar to those traditionally regulated by the  
 3 Commission.<sup>31</sup> The sorts of claims traded on a private prediction market look  
 4 unlikely to qualify on that count.

## 6 **2. Insider Trading Regulations**

8 Broadly speaking, U.S. law forbids two types of insider trading. The  
 9 traditional or "classical" theory of illegal insider trading bars a corporate  
 10 insider from trading the securities of his or her corporation "on the basis of  
 11 material, nonpublic information."<sup>32</sup> The "misappropriation" theory of illegal  
 12 insider trading, in contrast, bars a corporate "outsider" from trading a  
 13 corporation's securities in breach of an obligation to maintain the  
 14 confidentiality of material information about the corporation.<sup>33</sup> Private  
 15 prediction markets run the risk of facilitating both sorts of insider trading.<sup>34</sup>  
 16 These risks differ only in kind—not in principle—from extant ones. This  
 17 section diagnoses the legal ill, prescribes a good dose of the usual remedies,  
 18 and offers a somewhat experimental supplementary therapy.

20 **a) Liability for Illegal Insider Trading.** Suppose that a corporate insider,  
 21 such as a CEO, used material information gleaned from a non-public, in-  
 22 house prediction market to time the purchase or sale of the corporation's  
 23 securities. That would probably qualify as illegal insider trading under the  
 24 classical theory.<sup>35</sup> As fiduciaries of their corporations' shareholders, insiders

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regulation.") (footnote omitted).

<sup>31</sup> See, e.g., *Reves v. Ernst & Young*, 494 U.S. 56, 64-65 (1990) (adopting a "family resemblance" test for determining whether a note qualifies as a security governed by the 1934 Act); *Landreth Timber Co. v. Landreth*, 471 U.S. 681, 687 (1985) (adopting a definition of "stock" that would fit it within the definition of "security" because "an investor [buying that stock] would believe he was covered by the federal securities laws").

<sup>32</sup> *United States v. O'Hagan*, 521 U.S. 642, 652 (1997). The definition of "corporate insider" here includes "not only officers, directors, and other permanent insiders of a corporation, but also to attorneys, accountants, consultants, and others who temporarily become fiduciaries of a corporation." *Id.*

<sup>33</sup> *Id.*

<sup>34</sup> Though my conversations with those who offer prediction market services to corporations, and those who buy those services, suggests that this issue concerns them a great deal, I've not yet found any published papers on the topic. Other aspects of the interplay of prediction markets and insider trading have drawn academics attention, granted. See, e.g., Robin Hanson, "Insider Trading and Prediction Markets," 4:2 *Journal of Law, Economics, and Policy* 449 (2008) (forthcoming), available at <http://hanson.gmu.edu/insiderbet.pdf>. That still leaves unanswered, however, the question of how private prediction markets might create risks under illegal insider trading laws and what to do about it.

<sup>35</sup> The same analysis would apply if the CEO instead advised his niece to trade the corporation's

1 bear special obligations to not trade on material, nonpublic information about  
2 their corporations.<sup>36</sup>

3 Non-insiders, such as run-of-the-mill employees or independent  
4 contractors of the corporation, generally bear no corresponding duty.<sup>37</sup> Even  
5 they, however, can become "remote temporary insiders" by dint of entering  
6 into a special confidential relationship with the corporation.<sup>38</sup> Suppose, then,  
7 that a low-level employee of the corporation acquired material information  
8 from her corporation's private prediction market and then used that  
9 information to trade the corporation's securities. Her access to that non-public  
10 material information might qualify her as a remote temporary insider, thereby  
11 rendering her just as liable, under the classical theory of illegal insider trading,  
12 as the company's CEO.

13 Misappropriation theory offers another route to liability for illegal insider  
14 trading. Under this alternative to the classical theory, a low-level corporate  
15 employee or (more likely) independent contractor might commit insider  
16 trading by trading on information gleaned from the firm's private prediction  
17 market.<sup>39</sup> The theory gets its name from the notion that the illegal insider  
18 trader has, in that event, misappropriated valuable confidential information  
19 from the corporation.

20 No matter how a private prediction market leads to illegal insider trading,  
21 civil or criminal sanctions might follow. It does not look very likely that  
22 merely *hosting* a private prediction market would suffice to render a  
23 corporation *itself* liable for illegal insider trading. At the least, a complaint  
24 would have to establish that the corporation's prediction market had abetted or

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securities based on that material, non-public information, thereby violating his fiduciary duty to the corporation, and the niece did so knowing of that breach. Even a "tippee" who is not a corporate insider might thus be held liable for illegal insider trading. See *Dirks v. SEC*, 463 U.S. 646, 659 (1983) ("[T]he tippee's duty to disclose or abstain is derivative from that of the insider's duty.").

<sup>36</sup> See *Chiarella v. United States*, 445 U.S. 222, 230 (1980) ("Application of a duty to disclose prior to trading guarantees that corporate insiders, who have an obligation to place the shareholder's welfare before their own, will not benefit personally through fraudulent use of material, non-public information.").

<sup>37</sup> *Id.* at 231-35.

<sup>38</sup> *Dirks v. SEC*, 463 U.S. 646, 655 n.14 (1983) ("Under certain circumstances . . . outsiders may become fiduciaries of the shareholders. The basis for recognizing this fiduciary duty is not simply that such persons acquired nonpublic corporate information, but rather that they have entered into a special confidential relationship in the conduct of the business of the enterprise and are given access to information solely for corporate purposes.").

<sup>39</sup> See *United States v. O'Hagan*, 521 U.S. at 652 ("In lieu of premising liability on a fiduciary relationship between company insider and purchaser or seller of the company's stock, the misappropriation theory premises liability on a fiduciary-turned-trader's deception of those who entrusted him with access to confidential information.").

1 recklessly failed to prevent illegal insider trading.<sup>40</sup> Even if they do not  
2 threaten the corporation directly, however, the pall cast by illegal insider  
3 trading laws could understandably discourage a corporation from running a  
4 private prediction market. Even apart from a well-founded concern for its  
5 insiders, no corporation would welcome the heavy evidentiary burdens  
6 imposed by investigations into illegal trading of its shares.

7  
8 **b) Legal Cures.** How can publicly-traded corporations run private prediction  
9 markets and yet dodge illegal insider trading laws? For a simple and sure-fire  
10 fix, a corporation could make public the claims traded on its private prediction  
11 market and their prices. Illegal insider trading relies on *non-public* material  
12 information, after all; making the information public dissipates liability. But  
13 many corporations would refuse to make that sort of information public,  
14 regarding the prices of claims on its in-house prediction market, or even the  
15 claims themselves, as sensitive information. A corporation might host a  
16 private prediction market in order to generate new trade secrets, which have  
17 value—indeed, that *exist*—only insofar as they remain confidential.

18 A corporation might thus prefer an alternative safeguard against illegal  
19 insider trading laws: bifurcated private markets, one available solely to  
20 officers and other insiders and another solely for other agents of the  
21 corporation to trade on.<sup>41</sup> That bifurcated structure would help to ensure that  
22 inside information generated by the private prediction market remained within  
23 the corporation's executive suites, where it would easily fit within the same  
24 sort of controls—blind trusts or trading windows, for instance—that apply to  
25 inside information generally. That would protect both a corporation's insiders  
26 and, since they might otherwise qualify as "tippees" liable under the same  
27 theory, non-insiders from liability under the classic theory of illegal insider  
28 trading.

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<sup>40</sup> Although the theories under which a firm might be held liable for the illegal insider trading of its agents vary, they basically boil down to knowingly or recklessly inducing or failing to prevent the wrong. See Harold K. Gordon and Tracy V. Schaffer, "Recent SEC Actions Show Employer Liability for Insider Trading," *Law.com*, July 30, 2007, at <http://www.law.com/jsp/ihc/PubArticleIHC.jsp?id=1185527216922> (visited April 25, 2008) (describing various ways in which a firm might be held liable for the illegal insider trading of its employees). Careful firms should thus not find it too difficult to implement procedures sufficient to avoid a lawsuit brought by the SEC on that count. As to private parties, thanks to the holding of *Central Bank of Denver, N.A. v. First Interstate Bank of Denver, N.A.*, 511 U.S. 164 (1994), they have no standing to sue a corporation for aiding and abetting illegal insider trading.

<sup>41</sup> At least one major corporation (which I will not name here) has implemented such a segregated market structure, albeit not evidently in order to dodge illegal insider trading laws.

1 Even a market that keeps insider trading separate from non-insider trading  
2 raises some risk of illegal insider trading, however. A private prediction  
3 market, even if restricted to traditional non-insiders, generates material  
4 information about its host corporation. So long as it is not made public, but  
5 rather offered only subject to confidentiality obligations, that information can  
6 turn otherwise outsiders into remote temporary insiders. Furthermore,  
7 because the claims and prices of a private prediction market would quite  
8 likely constitute trade secrets,<sup>42</sup> even a non-insider employee who buys or  
9 sells shares of the host corporation based on information gleaned from its  
10 private market might, under the misappropriation theory, violate illegal  
11 insider trading laws.

12 Broadening participation in a private prediction markets thus broadens the  
13 risk of illegal insider trading. A corporation might run that risk for good  
14 reason, granted; prediction markets offer a very useful tool for gathering and  
15 quantifying information distributed throughout an organization. A  
16 corporation would still want to mitigate its exposure to legal risks, however.  
17 How to do so? In brief, I suggest four strategies:

- 18 • Segregating markets for traditional insiders from other markets.
- 19 • Broadening safeguards against illegal insider trading to reach beyond  
20 traditional insiders.
- 21 • Treating the market's claims and prices as trade secrets.
- 22 • Setting up decoy claims and prices.

23  
24  
25 Allow me to expand on those four strategies, in order. First, as mentioned  
26 above, a corporation should consider running segregated markets. That can  
27 help to forestall claims that traditional insider info has leaked out of the  
28 corporate headquarters. Second, as a corporation broadens access to its  
29 private markets, it should also broaden the sort of legal safeguards  
30 traditionally reserved for dealings with corporate insiders. The corporation  
31 should thus admonish all who participate in its private markets against trading  
32 on the information thereby disclosed. Click-through interfaces could make  
33 those admonitions routine and unavoidable. Third, the corporation should  
34 inform all who access its private prediction market that claims and prices  
35 constitute the corporation's trade secrets. That helps to ensure that the  
36 corporation, far from being considered jointly liable for any insider  
37 information, will instead have a misappropriation claim against anyone who  
38 trades the corporation's shares based on information gleaned from the

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<sup>42</sup> See Uniform Trade Secret Act § 1(4) (defining "trade secret").

1 corporation's private prediction market. That sort of notice could, like those  
2 discussed under point three, appear in the market's click-through interface.

3 I offer the fourth strategy for reducing liability for illegal insider trading  
4 as a bit of an experiment, one suggested by theory rather than observed  
5 practice. To implement it, a corporation need only pepper its internal market  
6 with decoy claims and prices. Why do so? In order to help protect the  
7 confidentiality of *real* claims and prices. Run-of-the-mill employees don't  
8 need to know everything about every claim traded on a corporation's  
9 prediction market, after all, because they can limit their trades to claims  
10 concerning their areas of specialization. Only a few traditional insiders, who  
11 need to oversee all of a corporation's operations, would need to know the  
12 difference between the real and fake claims on the firm's private prediction  
13 market. By keeping *that* information within the walls of its headquarters, a  
14 corporation could protect itself from allegations that it had abetted illegal  
15 insider trading, protect its non-traditional insiders from accusations of illegal  
16 trading, and protect the confidentiality—and thus the value—of corporate  
17 trade secrets generated by the private prediction market.

### 18 19 **c. Private Prediction Markets as Gambling.**

20 Generally speaking,<sup>43</sup> a gambling transaction must have three elements:  
21 prize, chance, and consideration.<sup>44</sup> If any of the three fails to obtain,  
22 therefore, no gambling exists. A firm that wants to offer a private prediction  
23 market without running the risk of gambling should thus structure its market  
24 to avoid one or more of those elements.

25 Note that "open to the public" does not number among the defining  
26 features of a gambling transaction. The confidential nature of an in-house  
27 prediction market thus gives it protection from gambling laws only in  
28 practice—not in theory. Those tasked with enforcing prohibitions on  
29 gambling cannot prosecute what they never discover, granted. Furthermore,  
30 as universal toleration of "Final Four" office pools demonstrates, prosecutors  
31 typically show little interest in shutting down discretely private games.

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<sup>43</sup> Because in the U.S. states primarily regulate gaming, no uniform federal standard exists. That makes it risky not only to generalize about gambling law, but also to rely on the leniency of any given state. True, if a firm manages to keep its private prediction market entirely within safe states, it can confidently disregard other states' laws. But that strategy could prove difficult to implement.

<sup>44</sup> The other two elements of a gambling transaction are prize and chance. *See*, *Midwestern Enters. v. Stenehjem*, 2001 ND 67, ¶17, 625 N.W.2d 234, 237 (2001) ("The three elements of gambling are generally recognized as consideration, prize, and chance."). It will thus protect a private prediction market from anti-gambling laws if, as argued above, the outcome of transactions on the market do not rely on chance. I here discuss the consideration element as a separate, sufficient but not necessary means of warding off the "gambling" label.

1        Nonetheless, the definition of "gambling" evades sharp distinctions<sup>45</sup> and  
2 prosecutors enjoy wide discretion. An especially risk averse corporation  
3 might thus worry about its in-house prediction market drawing the attention of  
4 a nosy and aggressive prosecutor. How might it structure its market to defend  
5 itself against such an attack? By ruling out the elements of prize, chance, or  
6 consideration. This section discusses each in turn.

## 7 8 **1. Prize**

9  
10        A private prediction market that offers players no prospect of any material  
11 benefit could not constitute gambling. Thus, for instance, an in-house market  
12 might give its top players only a pat on the back and bragging rights. Such  
13 modest rewards might suffice to induce participation in a prediction market;  
14 employees routinely perform much more burdensome tasks for no more  
15 reason than currying favor with the boss. Nonetheless, a firm might want to  
16 provide a more powerful incentive for traders to take its in-house prediction  
17 market seriously: valuable prizes or even cold, hard, cash. Fortunately, a  
18 private prediction markets could offer material rewards and still avoid the  
19 "gambling" label so long as the market also dodges the chance or  
20 consideration elements.

## 21 22 **2. Chance**

23  
24        For a transaction to qualify as gambling, generally speaking, chance must  
25 predominate over skill in determining who wins.<sup>46</sup> More specifically, chance  
26 must *in theory* predominate over skill; it doesn't matter that lucky players  
27 sometimes beat skilled ones if, on average, skilled players win more.<sup>47</sup>

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<sup>45</sup> See Hazen, *supra* note 29 at p 1002 ("Speculative investing has long been viewed as tantamount to gambling.").

<sup>46</sup> See Opinion of the Justices No. 373, 795 So.2d 630, 635-36 (Ala. 2001) (collecting authorities in support of the "American rule" that chance must dominate over skill in a gambling transaction); R. Randall Bridwell & Frank L. Quinn, "From Mad Joy to Misfortune: The Merger of Law and Politics in the World of Gambling," 72 *Miss. L.J.* 565 (2002) at p 646-60 (describing origins and content of "American rule" that chance must predominate over skill in gambling transactions); Anthony Cabot & Robert Hannum, "Gaming Law and Technology: Advantage Play and Commercial Casinos," 74 *Miss. L.J.* 681 (2005) at p 682 n.3 ("The prevailing rule in the United States is that the element of chance is met if chance predominates, even if the activity requires some skill."). *But see, Boardwalk Regency Corp. v. State*, 457 A.2d 847, 852 (N.J. Super. Ct. Law Div. 1982) (holding that backgammon tournament constituted gambling because "chance plays at least a material role in determining the outcome of this activity on which money is risked, no matter how much it is claimed that the role of skill predominated . . .").

<sup>47</sup> See *People ex rel. Ellison v. Lavin*, 71 N.E. 753, 754 (1904) ("[A]n event presents the

1 Precisely because they focus on claims amenable to *prediction*, therefore,  
 2 prediction markets generally fall outside the scope of anti-gambling laws.

3 Think of it this way: Why would anybody use a prediction market to  
 4 trade in claims about something as random as, say, the spin of a roulette  
 5 wheel? That sort of game just isn't worth the candle. Prediction markets,  
 6 whether public or private, instead offer trading on the sort of claims that a  
 7 diligent and informed person can assess more accurately than lazy or ignorant  
 8 one can. Google employees who buy and sell claims on an in-house  
 9 prediction market about the firm's ad revenue forecasts, for instance, will  
 10 doubtless find that careful analysis serves better than dumb luck.

11 Luck may still play some role in deciding who wins such a claim, granted.  
 12 Luck's influence pervades our lives. That does not make trading on a  
 13 prediction market the same as gambling, however. It suffices that skill  
 14 proves, or in theory *could* prove, more important than luck in determining  
 15 who makes the best trades on a prediction market. To avoid the reach of anti-  
 16 gambling laws, therefore, a firm hosting a private prediction market need only  
 17 stick to the sort of claims that skilled players are likely to win. As a happy  
 18 coincidence, those are the only sort of claims that a firm will likely care about.

### 19 20 **3. Consideration**

21  
22 Gambling requires, as one of its fundamental elements, that bettors stake  
 23 valuable consideration on the outcome of a transaction. A firm offering a  
 24 private prediction market should thus bar its agents from staking their own  
 25 money on the market. That means, of course, that the firm must subsidize the  
 26 market by giving players a certain amount of seed capital. At the same time,  
 27 however, the firm should limit the liquidity of that capital. If title to it vested  
 28 immediately and completely in a player, after all, she would effectively stake  
 29 "her" money if she chose to reinvest it in the market rather than pocket it. To  
 30 avoid the consideration element, therefore, the firm should both subsidize  
 31 participation in its private market and limit the right of players to cash out.<sup>48</sup>

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element of chance so far as after the exercise of research, investigation, skill, and judgment we are unable to foresee its occurrence or non-occurrence, or the forms and conditions of its occurrence."); *Rouse v. Sisson*, 199 So. 777, 779 (Miss. 1941) ("[I]t is the character of the game, and not the skill or want of skill of the player, which brings it into or excludes it from the prohibition of the [anti-gambling] statute." (quoting *Wortham v. State*, 59 Miss. 179, 182 (1881))); Bridwell & Quinn, *supra* note 46, at p 649-50 ("[T]he possession of skill should enable the skilled person in a true game of skill to win with regularity.").

<sup>48</sup> What if a subsidized player wins the right to cash out but instead decides to reinvest her funds on the market? Whether or not that constitutes consideration poses a rather nice legal question. Sound public policy suggests that so long as no player risks a negative return on the market, no court should label it as "gambling." See *supra*, Figure 2 (illustrating that gambling

1        Though it might at first sound paradoxical, the same reasoning suggests  
2 that a firm eager to protect its private prediction market from anti-gambling  
3 laws should *require* its agents to participate. If a firm instead only *allowed or*  
4 *encouraged* participation, after all, it would invite the claim that its agents had  
5 staked their own time and effort in hopes of winning a prize. Legally  
6 speaking, that would suffice to show the consideration required for a  
7 gambling transaction. "Time is money," as the saying goes. If a firm would  
8 not let its agents stake their own money on the in-house prediction market,  
9 therefore, it should not let them stake their own time. To escape the reach of  
10 anti-gambling laws, a private prediction market should instead require  
11 participation as a condition of employment.  
12  
13

### 14 **PART III: THE FUTURE OF PRIVATE PREDICTION MARKETS**

15

16        This Part forecasts the future of private prediction markets in the U.S.  
17 Private prediction markets have grown popular despite the pall of legal  
18 uncertainty that now surrounds them. As evidence of their utility  
19 accumulates, and as they win clearly legal status under U.S. law, private  
20 prediction markets stand to see even more use. That will, among other  
21 benefits, help to encourage the development of *public* prediction markets.  
22

#### 23 **A. Towards Legal Clarity**

24

25        Some of the legal uncertainty that now inhibits private prediction markets  
26 will dissipate as a matter of course, thanks simply to the passage of time and  
27 the accumulation of experience. Corporate counsels will, for instance, come  
28 to understand both the extent to which a private prediction market might  
29 increase the risk of illegal insider trading and how to design a market to  
30 manage that risk.<sup>49</sup>

31        At this point, it does not look likely that litigation or legislation will do  
32 much to clarify the legal status of private prediction markets under U.S. law.  
33 New CFTC regulations do look likely, however. The Commission recently  
34 issued a request for public comments about the appropriate regulatory  
35 treatment of prediction markets,<sup>50</sup> an indication that new rules might follow.

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offers only zero-sum trading). A firm unpersuaded by that analysis, and nervous about the reach of anti-gambling laws, might structure its private market to disallow reinvestment of seed capital.

<sup>49</sup> Perhaps reading this paper will help them; I hope it does.

<sup>50</sup> See, CFTC *Concept Release on the Appropriate Regulatory Treatment of Event Contracts*, *supra* note 17.

1 It remains possible that the CFTC might effectively regulate private  
 2 prediction markets out of existence in the U.S., making a broad claim to  
 3 jurisdiction over them and then smothering them under red tape. Even the  
 4 most ardent regulator must recognize, however, that U.S. residents have ready  
 5 access to public prediction market that operate outside the scope of domestic  
 6 laws.<sup>51</sup> That freedom of exit will doubtless encourage the CFTC to take a  
 7 largely hands-off approach towards prediction markets in general. Overly  
 8 burdensome regulations would, after all, do little to stop U.S. residents from  
 9 trading on prediction markets but much to drive prediction markets overseas.

10 Those practical limits on the CFTC's power should encourage it to write  
 11 any new regulations so as to allow qualifying prediction markets to operate  
 12 legally, and fairly freely, under U.S. law. To judge from its current regulatory  
 13 model, the CFTC will offer prediction markets a range of options, from  
 14 markets that must obey relatively burdensome regulations aimed at protecting  
 15 retail consumers from large losses to markets that receive relatively light  
 16 regulation because they limit trading to sophisticated traders. Ideally, the  
 17 CFTC would offer prediction markets something like these three tiers, each  
 18 divided from the next with clear boundaries.

- 19
- 20 • **Designated Contract Markets.** Regulations designed for designated  
 21 contract markets,<sup>52</sup> such as the HedgeStreet Exchange,<sup>53</sup> would apply  
 22 to retail prediction markets that offer trading in binary option  
 23 contracts and significant hedging functions.
- 24
- 25 • **Exempt Markets.** Regulations for "exempt" markets,<sup>54</sup> which  
 26 impose only limited anti-fraud and manipulation rules, would apply to  
 27 prediction markets that:
- 28
- 29 • offer trading in binary option contracts;

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<sup>51</sup> Private prediction markets would not prove quite so hard to regulate, alas, as their hosts may well have U.S.-based assets that the CFTC could effectively hold ransom. But the private nature of such markets gives the CFTC an even weaker claim over them than any claim it might have over public prediction markets. *See supra*, Part II.A.

<sup>52</sup> *See, e.g.*, CFTC, *Designated Contract Markets* (Sept. 19, 2007) at <http://www.cftc.gov/industryoversight/tradingorganizations/designatedcontractmarkets/index.htm> (visited May 16, 2008).

<sup>53</sup> *See* <http://www.hedgestreet.com/> (visited May 16, 2008).

<sup>54</sup> *See, e.g.*, CFTC, *Exempt Boards of Trade* (Jan. 17, 2008) at <http://www.cftc.gov/industryoversight/tradingorganizations/exemptmarkets/ebot.html> (visited May 16, 2008).

- 1 • thanks to market capitalization limits or other CFTC-defined safe  
2 harbor provisions<sup>55</sup> do not primarily support significant hedging  
3 functions; and  
4 • offer retail trading on a for-profit basis.  
5  
6 • **No Action Markets.** A general "no action" classification, similar to  
7 the one now enjoyed by the Iowa Electronic Markets,<sup>56</sup> would apply  
8 to any market that duly notifies traders of its legal status and that is  
9 either:
- 10 • a public prediction market run by a tax-exempt organization  
11 offering trading in binary option contracts but not offering  
12 significant hedging functions;
  - 13 • a private prediction market offering trading in binary option  
14 contracts, but not significant hedging functions, only to members  
15 of a particular firm; or
  - 16 • any prediction market that offers only spot trading in conditional  
17 negotiable notes.  
18  
19

20 Notably, regulation under either of the first two regimes would definitely  
21 afford a prediction market the benefit of the CFTC's power to preempt state  
22 laws.<sup>57</sup> It remains rather less clear whether the third and lightest regulatory  
23 regime would offer the same protection, though the cover afforded by its two  
24 "no action" letters has allowed the Iowa Electronic Markets to fend off state  
25 regulators.<sup>58</sup> Markets that by default qualify for the third regulatory tier  
26 described above thus might want to opt into the second tier, so as to win a  
27 guarantee against state anti-gambling laws and the like. So long as they  
28 satisfy the first two conditions for such an "exempt market" status, public  
29 prediction markets run by non-profit organizations or private prediction  
30 markets that offer trading only to members of a particular firm should have  
31 that right.<sup>59</sup> Why offer this sort of domestic exit option? Because it would,

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<sup>55</sup> Additional limits might include requiring all such markets to aid price discovery and academic research by keeping detailed and freely available records of all trading activity.

<sup>56</sup> See, *Is the IEM Regulated?* <http://www.biz.uiowa.edu/iem/faq.html#Regulated> (visited May 17, 2008).

<sup>57</sup> See, e.g., *Rasumussen v. Thomson & McKinnon Auchincloss Kohlmeyer, Inc.*, 608 F.2d 175, 178 (5th Cir. 1979) ("[T]he Commodity Exchange Act preempts all state laws inconsistent with its provisions.").

<sup>58</sup> See, Email from Prof. George R. Neumann, Member, IEM Board of Directors, to Tom W. Bell (Jan. 29, 2007) ("We have been threatened several times with suits by various states but so far the CFTC coverage has been our trump card.").

<sup>59</sup> Because they fall outside the CFTC's jurisdiction, markets offering only spot trading in

1 like the exit option already open to U.S. residents who opt to trade on  
 2 overseas prediction markets, have the salutatory effect of curbing the CFTC's  
 3 regulatory zeal.

4 For now, of course, the final form of any new CFTC regulations for  
 5 prediction markets—or whether it will issue such regulations at all—remains  
 6 a matter of conjecture. In the meantime, we can and should encourage the  
 7 CFTC to recognize the practical and legal limits to its authority, so as to  
 8 protect private and public prediction alike from inefficient regulatory  
 9 burdens.<sup>60</sup> The status of prediction markets under U.S. law will almost  
 10 certainly grow more clear, thus dispelling the uncertainty that now hinders  
 11 their development. We need only make sure that the CFTC does not render  
 12 the U.S. law clearly inhospitable to prediction markets.

### 14 **B. The Effect of Private Prediction Markets on Public Ones**

15  
 16 The growing use of private prediction markets will have a variety of  
 17 beneficial effects. They will help firms operate more efficiently and, thus,  
 18 profitably. Firms that treat the claims and prices of their private prediction  
 19 markets as trade secrets will also, in effect, create valuable new assets.<sup>61</sup> The  
 20 benefits of private markets go beyond simply fattening firms' purses,  
 21 however. The growing use of private prediction markets will help to educate  
 22 many people—not only the people who trade on private prediction markets  
 23 but also the academics and policymakers who monitor such things—about  
 24 how prediction markets in general work. In that way, the success of *private*  
 25 prediction markets stands to help *public* prediction markets succeed, too.

26 Private prediction markets could encourage the development of public  
 27 prediction markets through a more direct and intentional route, too: By  
 28 gradually expanding the boundaries of "private."<sup>62</sup> In step one of that process,

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conditional negotiable notes could not opt into the second regulatory tier.

<sup>60</sup> For an effort on that front, see Tom W. Bell, et al., *Joint Comment on CFTC Concept Release on the Appropriate Regulatory Treatment of Event Contracts*, July 6, 2008, available at <http://www.cftc.gov/lawandregulation/federalregister/federalregistercomments/2008/08-004.html> (response to request for comments co-signed by 19 academics, professional traders, and laypeople).

<sup>61</sup> See *supra*, Part II.B.2.b.

<sup>62</sup> I first described this in a presentation, *Getting from Collective Intelligence to Collective Action*, Collective Intelligence FOO Camp, Google & O'Reilly Media, the Googleplex, Mountain View, California, February 22, 2008, available at [http://www.tomwbell.com/writings/CIFOO\\_PM\\_Legalization.ppt](http://www.tomwbell.com/writings/CIFOO_PM_Legalization.ppt). See also, Tom W. Bell, "Getting from Collective Intelligence to Collective Action," *Agoraphilia* (Feb. 28, 2008), <http://agoraphilia.blogspot.com/2008/02/getting-from-collective-intelligence-to.html> (visited May 17, 2008) (describing presentation).

1 a firm would set up a private prediction market open only to its employees.  
2 Per the guidelines described above,<sup>63</sup> the firm would make playing the market  
3 a condition of continued employment and offering valuable prizes to the best  
4 traders. In step two, the firm would open the market to a select number of  
5 independent contractor researchers, paying each a relatively low salary simply  
6 for trading on the market. That salary might, for instance, be set at a penny  
7 per trade and capped at 100 trades/day. Strictly speaking, the firm would pay  
8 those independent contractors for the valuable information gleaned from their  
9 trades, whether those trades beat the market or not. Significantly, however,  
10 the firm would offer valuable prizes to those whose trades best track the truth.  
11 In the third and last step, the firm would offer that same arrangement to any  
12 internet user willing to agree to a click-through license, the terms of which  
13 would qualify him or her as an independent contractor researcher.

14 That stepwise process would make it easy for a firm to test the legal  
15 waters gradually, without plunging into the risk of full liability. When and if  
16 standing for declaratory judgment obtains, the firm could bring suit to  
17 establish the legality of the private prediction market under U.S. law. In the  
18 event of any such test case, it would greatly help if the market were run by a  
19 worthy institution and if it dealt only in claims likely to generate large  
20 positive externalities. Google.org, for example, might set up a private  
21 prediction market in earthquake claims and ask for a court's blessing at each  
22 stage of the market's expansion, from its genesis as a market open only to firm  
23 management to a market open to all willing independent contractor  
24 researchers.

25 Executed properly, this sort of campaign would stand a fair chance  
26 establishing the legality under U.S. law of a wide range of private prediction  
27 markets. The effort would not impose great costs or risks, though it would  
28 take some careful planning and execution. On the upside, it would almost  
29 certainly generate large private and public goods. Imagine, for instance, if it  
30 helped us to establish an reliable early-warning system for major earthquakes.  
31 This strategy would directly benefit only subsidized markets, however; it  
32 would not suffice to establish the legality of prediction markets that allow  
33 traders to invest their own funds or hedge against off-market risks. Even so,  
34 all sorts of prediction markets would win great respectability if we could  
35 establish the legality of real-money open-access, private prediction markets  
36 under U.S. law.

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63 See *supra*, Part II.C.

## CONCLUSION

This paper has described the legal risks facing private prediction markets under U.S. law and how firms that want to run such markets should adapt. To minimize the risk of CFTC regulation, firms should institute mechanisms to ensure that their private prediction markets do not support significant hedging functions and make clear, both in the documentation supporting their markets and in their markets' structures, that they offer trading not in binary option contracts but rather in conditional negotiable notes. Publicly-traded firms subject to U.S. law can minimize the risks of illegal insider trading by either making public all prices and claims traded on their prediction market or by:

- Keeping trading by traditional insiders separate from trading by others;
- Broadening safeguards against illegal insider trading to cover all traders;
- Treating the market's claims and prices as trade secrets; and/or
- Seeding the market with decoy claims and prices.

Although the skill-based trading emphasized on private prediction markets should in theory remove them from the scope of gambling regulations, a prudent firm could help to ensure that result by:

- Forbidding traders from investing their own funds in the market; and/or
- Requiring its agents to participate in its market.

As should perhaps go without saying (but as hereby will not), any firm implementing these legal strategies should back them up with ample record-keeping. Each person who trades on a firm's market should, for instance, receive clear notification that the market does not deal in CFTC- or SEC-regulated instruments, and that it does not offering services subject to oversight by any state gambling commission. Better yet, traders should be required to access the market only through a click-through agreement in which, among other things, they consent to that stipulation. So go only a few of the provisions that ought to appear in such an agreement; any reasonably competent attorney will think of many worthwhile provisions to add.

Private prediction markets will almost certainly escape the legal uncertainty that now clouds their prospects in the U.S. Even if no legislator, judge, or regulator ever notices them, private prediction markets will come to win *de facto* legality simply by merit of their widespread use and acceptance.

1 With reflection—perhaps aided by papers such as this one—and practical  
2 experience, attorneys will learn how to structure private prediction markets to  
3 accommodate the laws that rightfully apply to them and to dodge the effect of  
4 laws written for other, materially different markets. There remains some risk,  
5 granted, that the CFTC will crush private prediction markets under new  
6 regulations. With luck though—and perhaps also with some persuasion—the  
7 CFTC will instead allow prediction markets to choose from among several  
8 different tiers of regulations. And even in the worse-case scenario, private  
9 prediction markets will not disappear; they will simply flee the U.S. for other,  
10 freer homes.